AK STAR

ALASKA SYSTEM OF ACADEMIC READINESS

Educator Guide to Student Readiness

AK STAR English Language Arts and Mathematics

ALASKA DEPARTMENT OF EDUCATION & EARLY DEVELOPMENT

2023

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Purpose of this Guide

This *Educator Guide to Student Readiness* provides an overview of the resources created to help prepare students for the Alaska System of Academic Readiness or AK STAR. This guide is intended to help educators familiarize students with the format of the assessments using the Student Tutorial and Practice Test resources.

The Student Tutorial and Practice Tests are available to students, educators, families, and community members. DEED encourages everyone to utilize these tools to become familiar with the assessments.

Descriptions of the Student Tutorials and Practice Tests are presented in this guide. The items presented in this guide are for illustrative purposes and allow students to become comfortable with the NWEA State Solutions Secure Browser and presentation. They are not intended to reflect the length of an entire test, nor are they intended to predict student performance on AK STAR.

Connection to the Standards

The AK STAR assessments measure the skills and concepts outlined in the Alaska English Language Arts and Mathematics Standards. These K-12 standards can be found on the Alaska Department of Education & Early Development Standards webpage.

Although it is important to familiarize students with what they will experience on the AK STAR assessments, ensuring that students receive instruction in the ELA and math standards is key. These standards establish a strong foundation of knowledge and skills all students need for success after graduation. A solid curriculum and instruction based on evidence and best practices will provide a strong content background for students. The AK STAR measures a student's understanding of the standards.

AK STAR Assessment Readiness

The AK STAR student readiness resources are comprised of two components to support students learning the navigation within the test environment, the available tools, and the format of the assessment: Student Tutorial and Practice Tests.

Student Tutorial

The Student Tutorial is a narrated video that introduces the NWEA State Solutions Secure Browser. The tutorial uses narration and visual descriptions to explain the testing tools and navigation though the test engine.

Teachers are encouraged to use the tutorial as a whole-group introduction or to assign students to individually view the tutorial (with headphones).

Quick Guide: *Accessing Student Tutorials* is located in Appendix A: Accessing Student Tutorials Quick Guide in this guide and on the AK STAR Student Readiness webpage. This one-page document provides step-by-step instructions and screenshots to guide users to the tutorial.

Practice Tests

The purpose of the AK STAR Practice Tests is to familiarize students with the NWEA State Solutions Secure Browser, and to give them an opportunity to practice with the tools and types of questions that will be on the AK STAR assessment.

The Practice Test is designed to familiarize students with the item types and content that may appear on the AK STAR tests. Due to the adaptive nature of the AK STAR assessment's growth component, students will encounter items that represent both on grade and off grade content. The students may have test questions that cover familiar concepts which will assess the skills and abilities they have mastered. Students may also see questions that cover skills they have not yet been exposed to in order to assess the upper bounds of their knowledge. Some test questions will be repeated across grade levels.

The Practice Tests cover only a small amount of the content in the Alaska English Language Arts and Mathematics Standards and should not be used to inform instruction. An answer key for each Practice Test is available in Appendix C: Answer Keys for AK STAR. Districts and educators are encouraged to have students login to the Practice Tests via the NWEA State Solutions Secure Browser.

Students need multiple opportunities to access the Practice Tests so that they are familiar with using the tools and functions that are part of the AK STAR spring assessments. Students should practice on the same types of devices (e.g., computers, tablets) that they will use during the spring assessments. Students should also take the assessment on the type of device that they are most familiar with using in the classroom.

Quick Guide: *Accessing Student Practice Tests* is located in Appendix B: Accessing Practice Tests of this guide and on the AK STAR Student Readiness webpage. This one-page document provides step-by-step instructions and screenshots to guide users to the Practice Tests.

Guidance for Teachers

Here are some examples of the types of features in the Practice Tests that teachers should review with students:

- Show how to navigate to the next question using the Next button.
- Model how to use the Eliminator tool to show how to cross-off answer options for various item types.
- Show students how to access the Formula Reference Sheet (grades 5-9).
- Show students how to use the scroll bar to see the entire passage (for ELA) and explain to students how they can look back at the passage on the left side of the screen when answering the questions on the right side of the screen.
- Practice moving the guideline on the screen as the student reads a passage.
- Practice using the scroll bar to see the entire item for items that extend beyond the screen.
- Show students how to access the calculators when available (grades 6-9).

The following lists show some of the tools and navigation controls available on the AK STAR.

Tools

- Help (?)
- Eliminator
- Guideline
- Highlighter
- Sticky Note
- Magnify
- Drawing
- Protractor (grades 4-5 only)
- Ruler
- Graph Paper

Students must be able to read and use these buttons for navigation

- Next
- Pause
- Return to test
- Logout

The following list shows some technology skills that students may need to use for the AK STAR.

Keyboarding skills

- Type single word or numbered responses
- Type paragraph response.

Mouse or touch screen skills

- Click or touch to select an answer or multiple answers.
- Click or touch to highlight a word or sentence.
- Select an item from a drop-down menu.
- Drag and drop a word, number, phrase, or image to sort, order, label, match, or complete model.
- Move the line in a bar area to construct a bar graph.

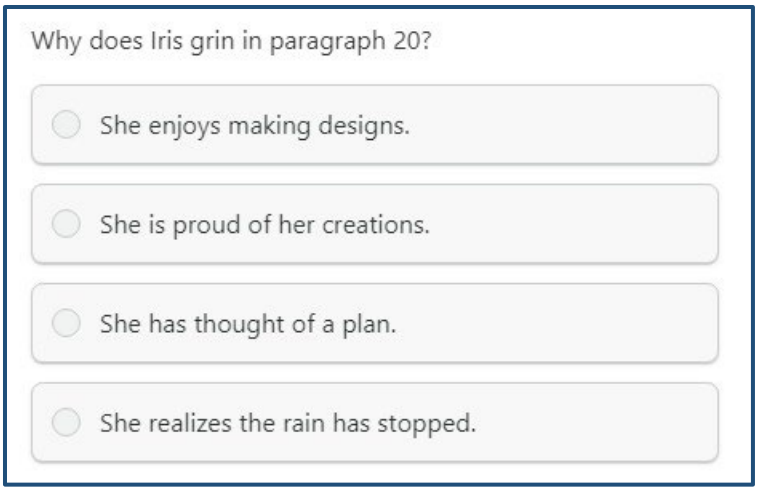
For a complete list of tools and their descriptions, please read the Participation Guidelines for Alaska Students in State Assessments.

English Language Arts Item Types

Specific item types students may see are listed below.

Multiple-Choice Single-Select

This type of question lists four choices and asks students to select the correct answer. It is worth 1 point.



Multiple-Choice Multiple-Select

This type of question lists five or more choices and has two or more correct answers. Students will be told how many choices to select. Students must select all of the correct choices and none of the incorrect ones for their answers to be scored as correct. It is worth 1 point.

Table

This type of question asks students to sort information into groups. For each row, students select the column that correctly describes that row. It is worth 2 points, but students can earn partial credit of 1 point if they choose all but one of the correct answers.

How do the things Iris says show her character traits? Match each trait with the quote from the passage that **best** supports it. Each line only has one answer.

	Clever	Confident	Eager
"'May I run over to Rodney's booth?'" (paragraph 11)	○	○	○
"'Not rich enough. Do you think we can make a trade?'" (paragraph 23)	○	○	○
"'My tags have pizzazz. . . . Customers love them.'" (paragraph 27)	○	○	○

Drop-Down

This type of question asks students to select answers from drop-down lists. If there is only one dropdown list, the question is worth 1 point. If there are two drop-down lists, the question is worth 2 points, but students can earn partial credit of 1 point if they select the correct choice from only one of the drop-down lists.

Select from the lists of choices to complete the sentences.

In the first paragraph, the author asks the question, "Who wants a bedtime story?" to

[choose]

The author offers a possible answer to the question to introduce the

[choose]

Select in Passage

This type of question asks students to select answers from a short section of the passage or another text, such as a dictionary entry. In the given text, certain words, phrases, or sentences are underlined. The students' job is to select the underlined choice or choices that provide the best answer. (They will be told how many choices to select.) This type of question is worth 1 point.

Read the following sentences from paragraph 4. From the four underlined phrases, select the phrase that **best** helps the reader understand the meaning of the word **profits**.

Iris grinned. "I hope they'll help you sell lots of paintings so I can buy that kaleidoscope." Mom had promised to share the profits with Iris if she helped out—five cents for every dollar's worth of sales.

Drag and Drop\Click and Pop

This type of question asks students to move one or more choices into the correct box. If there is only one box to fill or if the number of choices equals the number of boxes to fill, the question is worth 1 point. If there are two or more boxes to fill and there are more choices than boxes, the question is worth 2 points. For the 2-point questions, students can earn partial credit of 1 point if they fill all but one box correctly.

Sentences 6 and 7 from the paragraph follow. Move the comma to the one place where it is needed.

,

(6) Pet pigs are different [ ] from farm pigs [ ] in that they are smaller. (7) Because [ ] they are smaller [ ] they can live inside.

Text Entry

This type of question asks students to write a short written response—usually of just one word—in a box. It is usually used to test knowledge of spelling. It is worth 1 point. In the example that follows, part B is a text-entry question.

Part A

Which word from the paragraph is misspelled?

- calender
- predicted
- puffy
- meant

Part B

Write the correct spelling of the word in the space provided.

Multipart

This type of question combines two other kinds of questions. Usually, the first part asks about a passage, and the second part asks for evidence to support the answer in the first part. In AK STAR, this type of question is worth 2 points, but students can earn partial credit of 1 point if they answer the first part correctly and the second part incorrectly. Students earn no credit if they answer the first part incorrectly, even if they answer the second part correctly.

Part A

What is the main idea of the passage?

- Both dogs and volunteers benefit from shelter reading programs.
- Local libraries will donate many books to shelters for read-alouds.
- In order to find a forever home, dogs need to play with kids and listen to stories.
- The best books to read aloud to dogs are books about other dogs.

Part B

Which pair of paragraphs from the passage **best** supports the answer to part A?

- Paragraphs 1 and 3
- Paragraphs 2 and 4
- Paragraphs 8 and 13
- Paragraphs 11 and 12

Constructed Response

This type of question asks students to write a short response about a paragraph based on a passage or two passages. The response is worth 3 points.

Prompt: Write a paragraph to explain and support the following opinion about the passage. Support your explanation with at least **two** pieces of evidence from the passage.

Opinion: Ray Meyer played an important role in George Mikan's success as an athlete.

To write a successful response, you should do the following.

- Begin with a topic sentence, respond to all parts of the prompt, and end with a concluding statement.
- Use linking words to connect ideas.
- Use mostly your own words.
- Use complete, correct sentences.

Mathematics Item Types

Specific item types students may see are listed below:

Multiple-Choice Single-Select

This type of question lists four choices and asks the student to select the correct answer. It is worth 1 point.

What is the value of $23.28 \div 0.3$?

Select one answer.

- 0.776
- 7.76
- 77.6
- 776

Multiple-Choice Multiple-Select

This type of question lists three or more choices and can have any number of correct answers. Sometimes students will be told how many choices to select, and sometimes they will not be told. Students must select all the correct choices and none of the incorrect choices for their answer to be scored as correct. It is worth 1 point.

Consider the following inequality.

$$24 < 6 + 3p$$

Which values from the set $\{5, 6, 10, 11\}$ can be substituted for p to make the inequality true?

Select **all** that apply.

- 5
- 6
- 10
- 11

Numeric Entry

This type of question asks students to enter a number or numbers. Students can use the digits 0 through 9 in their answer. In grades 4 and up, students can use a decimal point, and in grades 6 and up, students can also use a negative sign. It is worth 1 point.

What is the value of the following expression?

$$\frac{9^2 + 5 \cdot 2 - 1^3}{2^4 - 6}$$

Enter your answer in the space provided.

Table

This type of question asks students to select cells in a table. For each row, students select the column or columns that are correct. Some questions may restrict them to one selection for each row or column, and some may allow them to select more than one column per row. It is worth 1 point.

Determine whether each expression in the following table is equivalent to $6\frac{3}{4} \div \frac{9}{10}$.

Select one cell per row.

	Equivalent to $6\frac{3}{4} \div \frac{9}{10}$	**Not Equivalent to** $6\frac{3}{4} \div \frac{9}{10}$
$6\frac{3}{4} \div 9 \div 10$	○	○
$\frac{24+3}{4} \cdot \frac{10}{9}$	○	○

Drop-Down

This type of question asks students to select answers from drop-down lists. It is worth 1 point.

Describe how the numbers $-7\frac{1}{2}$ and -7 would be positioned relative to each other on a horizontal number line.

Select from the lists of choices to complete the statement.

The number $-7\frac{1}{2}$ would be to the [choose] of -7 on a horizontal number line because [choose].

Select Text

This type of question asks students to select answers from list or group of text. In the given text, certain words, phrases, or sentences are underlined. The students' job is to select the underlined choice or choices that provide the best answer. They will be told how many choices to select. This type of question is worth 1 point.

Use the information to answer the question.

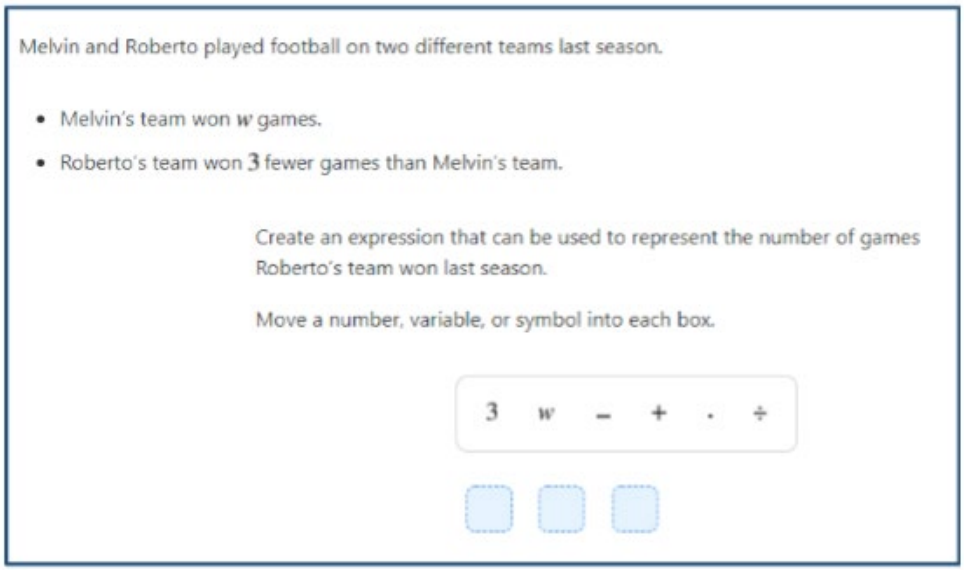
There are 21 students in a class. The median age of the students is 23. The oldest student is 29.

Based on this information, what is the truthfulness of each statement in the table? Select the phrase that **best** describes each statement.

Statement	Truthfulness		
At least one student is 23.	Must be true	Could be true	Cannot be true
Some students are younger than 15.	Must be true	Could be true	Cannot be true

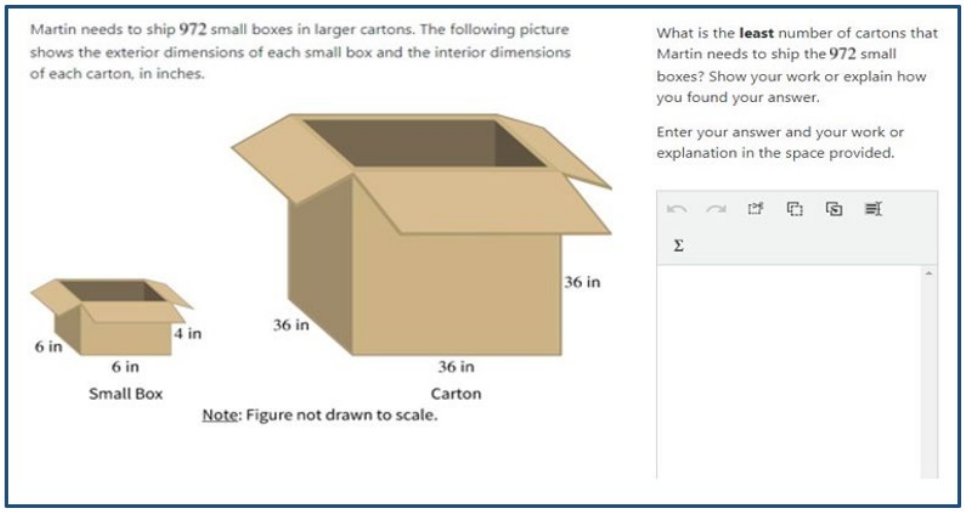
Drag and Drop\Click and Pop

This type of question asks students to move one or more choices into the correct space or spaces. It is worth 1 point.



Constructed Response

This type of question asks students to write a response that includes a combination of words and math expressions or equations. Although not required, students can use the equation editor buttons to add mathematical symbols to their answer. Words can be typed from their regular keyboard. This type of question is worth three points for grades 3–5 and four points for grades 6 and up; it is human scored.

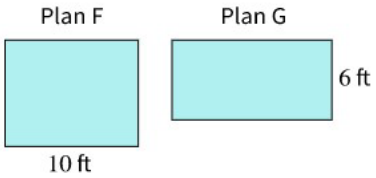


Multipart

This type of question has two or three parts. Each part has one question that can be any of the types described in this document. Each part is worth 1 point unless one of the parts is a constructed response. Multipart items containing a constructed response will have different point values based on grade level; three points for grades 3–5 and four points for grades 6 and up.

Hubert will add a room with a rectangular floor to a house. He will use one of the following floor plans. He will need enough carpet to cover the floor and enough border to line the edges of the ceiling.

- The dimensions of each floor plan are the same as the dimensions of the ceiling for that plan.
- The cost of the carpet per square foot will be the same for both plans.
- The cost of the border per foot will be the same for both plans.



Part A

If Hubert chooses Plan F and needs 80 square feet of carpet for the floor, what is the total number of feet of border he will need for the edges of the ceiling?

Enter your answer in the space provided.

_____ feet

Part B

If Hubert chooses Plan G and needs 36 feet of border for the edges of the ceiling, what is the total number of square feet of carpet he will need for the floor?

Enter your answer in the space provided.

_____ square feet

Appendix A: Accessing Student Tutorial

The Student Tutorial is a web-based video that introduces the NWEA State Solutions Secure Browser. The tutorial will walk a student through using the online Practice Tests, providing basic testing instructions, where to access the provided support tools and testing tips. The tutorial is accessible to students, educators, families, and communities, and easily viewable on many web browsers. A username and password are not required to access the tutorial.

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Quick Guide

1. Use the link posted to the AK STAR Student Readiness webpage to view the Student Tutorial. After the link is selected, the video will begin to play.
2. Alternatively, this link can be used to take you directly to the video: https://vimeo.com/782382045/1e12b12afa

Appendix B: Accessing Practice Tests

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Quick Guide

These Practice Tests are designed to provide students with a hands-on opportunity to experience the test environment. Students can navigate through a "test," practice using test-taking tools, and experience different item types.

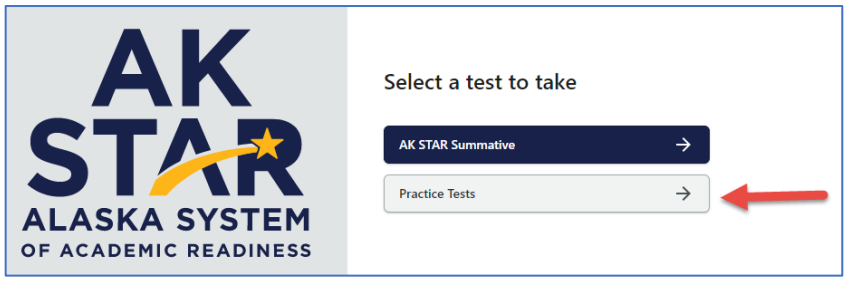
School districts should provide students with the opportunity to use the Practice Tests. Students should be familiar with navigating the test environment prior to testing so they can focus on the content of the test and confidently demonstrate their knowledge of the Alaska standards.

The Practice Tests are accessible to students, educators, parents, and communities. Families are encouraged to use the Practice Tests and see the types of questions their student will be answering. Test questions are not scored, and answers are not saved.

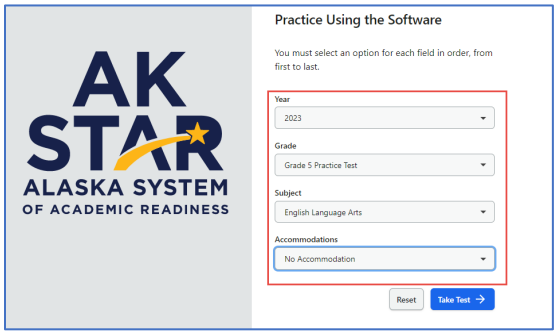
AK STAR Practice Tests can be accessed two different ways:

- Access the Practice Tests via the NWEA State Solutions Secure Browser. Districts should download the NWEA State Solutions Secure Browser to provide the best testing experience for students. Directions for this download can be found in the AK STAR System and Technology Guide. This will also help ensure student devices are prepared for testing during the operational administration.
- Access the Practice Tests via an internet browser. The Practice Tests are also available outside the NWEA State Solutions Secure Browser by using this provided link: AK STAR Practice Tests

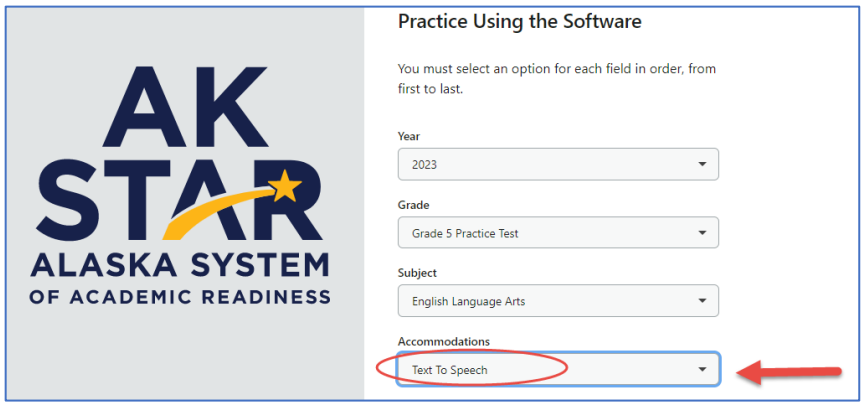
1. Once on the Practice Test page, select Practice Tests from the two options.



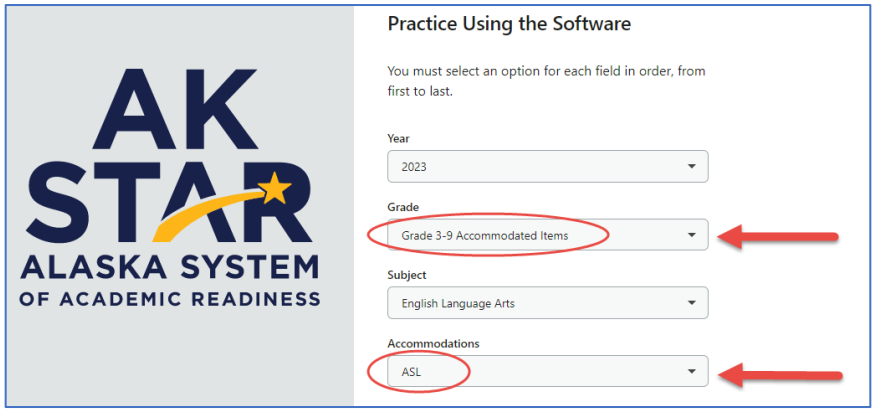
2. A menu of test options will be presented. Select the appropriate Grade, Subject, and Accommodation from each drop-down menu.



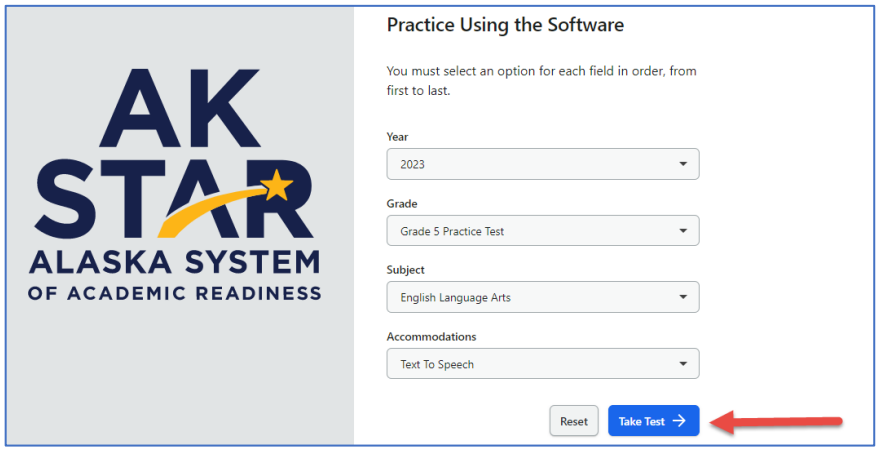
3. If your student uses Text to Speech (TTS), you can practice these item types by selecting Text to Speech in the accommodations drop down.



4. If your student uses American Sign Language (ASL), you can practice these item types by selecting Grade 3-9 Accommodated Items in the Grade drop down and then selecting ASL in the Accommodations drop down.



5. Select Take Test to begin the Practice Test.



Appendix C: Answer Keys for AK STAR Practice Tests

The following pages include answer keys and item type for each item included in the AK STAR Practice Tests. These answer keys are also available separately on the AK STAR Student Readiness webpage.

Constructed Responses in the following answer keys may contain spelling or grammatical errors. These errors are intentional and meant to be reflective of a student response.

ELA Grade 3 Practice Test Answer Key	Without TTS	With TTS
ELA Grade 4 Practice Test Answer Key	Without TTS	With TTS
ELA Grade 5 Practice Test Answer Key	Without TTS	With TTS
ELA Grade 6 Practice Test Answer Key	Without TTS	With TTS
ELA Grade 7 Practice Test Answer Key	Without TTS	With TTS
ELA Grade 8 Practice Test Answer Key	Without TTS	With TTS
ELA Grade 9 Practice Test Answer Key	Without TTS	With TTS
Mathematics Grade 3 Practice Test Answer Key	Without TTS	With TTS
Mathematics Grade 4 Practice Test Answer Key	Without TTS	With TTS
Mathematics Grade 5 Practice Test Answer Key	Without TTS	With TTS
Mathematics Grade 6 Practice Test Answer Key	Without TTS	With TTS
Mathematics Grade 7 Practice Test Answer Key	Without TTS	With TTS
Mathematics Grade 8 Practice Test Answer Key	Without TTS	With TTS
Mathematics Grade 9 Practice Test Answer Key	Without TTS	With TTS

ELA Grade 3 Practice Test Answer Key

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ELA: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ How They Raise Their Young	Multiple-Choice Single-Select	RI.3.5
2	3. Put the lima beans on the soil.	Drag and Drop\Click and Pop	RI.2.3
3	◉ Oceans are important to life on Earth.	Multiple-Choice Single-Select	RI.2.2
4	☑ Dad likes trying new things. ☐ Dad thinks peaches taste good. ☑ Dad wants to listen to the band.	Multiple-Choice Multiple-Select	RL.2.6
5	Birds have feathers that cover their bodies, but bats have fur.	Select in Passage	RI.2.3
6	◉ there are no buses to take them to school.	Multiple-Choice Single-Select	RI.3.1

ELA: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
7	**Part A** What does **varied** mean as it is used in paragraph 8? ○ shared ◉ different **Part B** Which sentence from the passage **best** supports the answer to part A? ○ "After school, the girls wash their hands and use their fingers to eat out of a common bowl." (paragraph 8) ◉ "It may include boiled or smoked fish, chicken, eggs, goat meat, or bush meat." (paragraph 8)	Multipart	L.3.4

ELA: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
8	When there is work to do after school, the girls do it first. They might wash dishes, shuck corn, get water from the river and firewood from the forest, feed the goats, spread cocoa beans to dry, weed the fields, or bathe Becki's youngest sister. Once their work is done, they are free to play. Sometimes they pick oranges, jump	Select in Passage	RI.3.8
9	1 **Arrived at school** 2 Buy breakfast 3 Sing a song 4 Go to classes	Drag and Drop\Click and Pop	RI.3.3
10	◉ like spending time together.	Multiple-Choice Single-Select	RI.3.7
11	◉ "Becki and Bonsa are part of the Ashanti tribe of Ghana, an English-speaking West African country." (paragraph 2)	Multiple-Choice Single-Select	RI.3.2
12	◉ Culture and Life in Ghana	Multiple-Choice Single-Select	W.3.8

ELA: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
13	Love , Kristin	Drag and Drop\Click and Pop	L.2.2.b
14	☑ Sophie helps feed the horses, too. ☐ Sophie and Brandon are good friends. ☑ Sometimes Sophie brushes the dogs and cats.	Multiple-Choice Multiple-Select	W.2.2
15	◉ pair	Multiple-Choice Single-Select	L.2.1.a
16	The alpaca fleece makes warm blankets and rugs.	Select in Passage	W.2.8
17	A loud truck wakes me	Drag and Drop\Click and Pop	W.2.8
18	(3) Some deserts on Earth are cold, but they do not get much rain. (4) What helps	Select in Passage	W.3.5

ELA: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
19	The desert sand is hot and deep, but the camel has large feet to keep him from sinking.	Drop-Down	L.3.1
20	haveing	Select in Passage	L.3.2
21	A camel's body is made for living in the desert.	Multiple-Choice Single-Select	W.3.4
22	What Kids and Parents Believe	Multiple-Choice Single-Select	RI.3.2

ELA: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
23	☑ "One good thing is the video games that children play today often encourage them to work in teams, cooperate, and to help each other." (paragraph 8) ☐ "This is because games today are often designed for multiple players, not like old-fashioned video games that were mostly designed for one player." (paragraph 8) ☐ "However, children who are obsessed with video games and play them for a long time can get really competitive and can often try to win at all costs." (paragraph 9) ☐ "Experts aren't sure yet, but they have real concerns that this might lead to kids acting like this in real life too." (paragraph 9) ☑ "One thing you might also like to know is that kids who regularly play video games often get higher grades in math, science, and reading tests." (paragraph 10)	Multiple-Choice Multiple-Select	RI.3.1

ELA: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
24	According to the section of the passage "What Do Experts Say?," a good thing about video games is that they can teach children to [work in teams,] but they can also make children feel like they need to always [be the winner of the activity.]	Drop-Down	RI.3.1
25	This is a prompt typing space.	Constructed Response	W.3.2
26	It can change friendships.	Multiple-Choice Single-Select	RI.3.1
27	the right type for a child's age.	Drop-Down	RI.3.6

ELA: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
28	**Part A** What is a main idea of the passage? ○ Video games are a popular activity for children. ○ Playing video games with your family is fun, and it teaches teamwork. ◉ It is important to spend time on other activities, not just on video games. **Part B** Which sentence from the passage **best** supports the answer to part A? ○ "Lots of kids love video games." (paragraph 1) ◉ "It's hard to get enough active play and exercise if you're always inside playing video games." (paragraph 3)	Multipart	RI.3.2

ELA: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
29	Video games have ratings.	Multiple-Choice Single-Select	RI.3.9
30	To teach readers how video games can be both harmful and helpful	Multiple-Choice Single-Select	RI.3.6

Grade 3 Constructed Response Scoring Rubric

ELA Grade 3 Practice Test Answer Key – TTS

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

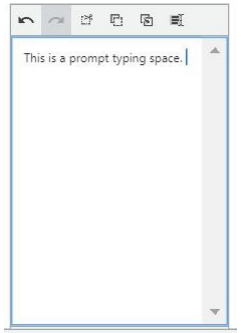
ELA: Grade 3 TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ How They Raise Their Young	Multiple-Choice Single-Select	RI.3.5
2	3. Put the lima beans on the soil.	Drag and Drop\Click and Pop	RI.2.3
3	◉ Oceans are important to life on Earth.	Multiple-Choice Single-Select	RI.2.2
4	☑ Dad likes trying new things. ☐ Dad thinks peaches taste good. ☑ Dad wants to listen to the band.	Multiple-Choice Multiple-Select	RL.2.6
5	Birds have feathers that cover their bodies, but bats have fur.	Select in Passage	RI.2.3

ELA: Grade 3 TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
6	there are no buses to take them to school.	Multiple-Choice Single-Select	RI.3.1
7	**Part A** What does **varied** mean as it is used in paragraph 8? shared different **Part B** Which sentence from the passage **best** supports the answer to part A? "After school, the girls wash their hands and use their fingers to eat out of a common bowl." (paragraph 8) "It may include boiled or smoked fish, chicken, eggs, goat meat, or bush meat." (paragraph 8)	Multipart	L.3.4
8	When there is work to do after school, the girls do it first. They might wash dishes, shuck corn, get water from the river and firewood from the forest, feed the goats, spread cocoa beans to dry, weed the fields, or bathe Becki's youngest sister. Once their work is done, they are free to play. Sometimes they pick oranges, jump	Select in Passage	RI.3.8

ELA: Grade 3 TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
9	1 **Arrived at school** 2 Buy breakfast 3 Sing a song 4 Go to classes	Drag and Drop\Click and Pop	RI.3.3
10	◉ like spending time together.	Multiple-Choice Single-Select	RI.3.7
11	◉ "Becki and Bonsa are part of the Ashanti tribe of Ghana, an English-speaking West African country." (paragraph 2)	Multiple-Choice Single-Select	RI.3.2
12	◉ Culture and Life in Ghana	Multiple-Choice Single-Select	W.3.8
13	Love , Kristin	Drag and Drop\Click and Pop	L.2.2.b

ELA: Grade 3 TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
14	☑ Sophie helps feed the horses, too. ☐ Sophie and Brandon are good friends. ☑ Sometimes Sophie brushes the dogs and cats.	Multiple-Choice Multiple-Select	W.2.2
15	◉ pair	Multiple-Choice Single-Select	L.2.1.a
16	The alpaca fleece makes warm blankets and rugs.	Select in Passage	W.2.8
17	A loud truck wakes me	Drag and Drop\Click and Pop	W.2.8
18	(3) Some deserts on Earth are cold, but they do not get much rain. (4) What helps	Select in Passage	W.3.5
19	haveing	Select in Passage	L.3.2
20	◉ A camel's body is made for living in the desert.	Multiple-Choice Single-Select	W.3.4

ELA: Grade 3 TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
21	◉ What Kids and Parents Believe	Multiple-Choice Single-Select	RI.3.2
22	☑ "One good thing is the video games that children play today often encourage them to work in teams, cooperate, and to help each other." (paragraph 8) ☐ "This is because games today are often designed for multiple players, not like old-fashioned video games that were mostly designed for one player." (paragraph 8) ☐ "However, children who are obsessed with video games and play them for a long time can get really competitive and can often try to win at all costs." (paragraph 9) ☐ "Experts aren't sure yet, but they have real concerns that this might lead to kids acting like this in real life too." (paragraph 9) ☑ "One thing you might also like to know is that kids who regularly play video games often get higher grades in math, science, and reading tests." (paragraph 10)	Multiple-Choice Multiple-Select	RI.3.1

ELA: Grade 3 TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
23		Constructed Response	W.3.2
24	It can change friendships.	Multiple-Choice Single-Select	RI.3.1
25	**Part A** What is a main idea of the passage? Video games are a popular activity for children. Playing video games with your family is fun, and it teaches teamwork. It is important to spend time on other activities, not just on video games.	Multipart	RI.3.2

ELA: Grade 3 TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Part B Which sentence from the passage **best** supports the answer to part A? ○ "Lots of kids love video games." (paragraph 1) ◉ "It's hard to get enough active play and exercise if you're always inside playing video games." (paragraph 3)		
26	◉ Video games have ratings.	Multiple-Choice Single-Select	RI.3.9
27	◉ To teach readers how video games can be both harmful and helpful	Multiple-Choice Single-Select	RI.3.6

Grade 3 Constructed Response Scoring Rubric

ELA Grade 4 Practice Test Answer Key

ELA: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	In the first paragraph, the author asks the question, "Who wants a bedtime story?" to build interest for the reader of the passage. The author offers a possible answer to the question to introduce the topic of the passage.	Drop-Down	RI.4.5
2	**engage** *verb* 1. to become interested or involved 2. to enter into an agreement 3.	Select in Passage	L.4.4
3	☑ The signs of worry in dogs ☑ Strategies for approaching dogs ☑ Ways to reward dogs	Multiple-Choice Multiple-Select	RI.4.1
4	☑ Paragraph 8 ☑ Paragraph 9	Multiple-Choice Multiple-Select	RI.4.7

ELA: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
5	**Part A** What is the main idea of the passage? (●) Both dogs and volunteers benefit from shelter reading programs. **Part B** Which pair of paragraphs from the passage **best** supports the answer to part A? ( ) Paragraphs 1 and 3 ( ) Paragraphs 2 and 4 (●) Paragraphs 8 and 13	Multipart	RI.4.2

ELA: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
6	☑ Rescue dogs were not comfortable in the shelter environment. ☐ Photographs of dogs showed that they were hiding in the back of their cages. ☑ Children who visited the shelter wanted to help the dogs.	Multiple-Choice Multiple-Select	RI.4.5
7	◉ Does barking affect dogs' adoption success rates?	Multiple-Choice Single-Select	W.4.7
8	3. Put the lima beans on the soil.	Drag and Drop\Click and Pop	RI.2.3
9	◉ Oceans are important to life on Earth.	Multiple-Choice Single-Select	RI.2.2

ELA: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
10	Birds have feathers that cover their bodies, but bats have fur.	Select in Passage	RI.2.3
11	Love , Kristin	Drag and Drop\Click and Pop	L.2.2.b
12	The alpaca fleece makes warm blankets and rugs.	Select in Passage	W.2.8
13	◉ However,	Multiple-Choice Single-Select	W.4.4
14	◉ On some days, stratus clouds blocked the Sun like a gray blanket as a drizzly rain fell from the sky.	Multiple-Choice Single-Select	W.4.5

ELA: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
15	**Part A** Which word from the paragraph is misspelled? calender **Part B** Write the correct spelling of the word in the space provided. calendar	Multipart	L.4.2
16	Changing "observed" to "observe"	Multiple-Choice Single-Select	L.4.1
17	A loud truck wakes me every Monday morning.	Drag and Drop\Click and Pop	L.2.1.f
18	[x] "Making Kites Fly Higher" [ ] "Ben Franklin's Best Idea" [ ] "Five Perfect Kite Beaches" [x] "How to Design a Simple Kite"	Multiple-Choice Multiple-Select	W.6.8

ELA: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
19	Maxwell Middle School requires all students to complete ten hours of of-the-year trip. However , I believe that in some cases, students should be not finished their community service hours. For instance , several students h complete their hours but could not because of illness or other events beyond There will still be time for students who have finished nine hours to complete For these reasons , I suggest that any student who is only one hour away fr the trip if he or she schedules a date for making up the missing hour when w	Drag and Drop\Click and Pop	W.6.1.c
20	[x] Sophie helps feed the horses, too. [ ] Sophie and Brandon are good friends. [x] Sometimes Sophie brushes the dogs and cats.	Multiple-Choice Multiple-Select	W.2.2
21	(•) pair	Multiple-Choice Multiple-Select	L.2.1.a
22	(•) The balloon moves at the same speed as the wind.	Multiple-Choice Single-Select	RI.4.1

ELA: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
23	By moving the balloon up or down to catch different winds	Multiple-Choice Single-Select	RI.4.3
24	1 Giant fans blow cold air into the envelope. 2 A propane burner heats the air inside the envelope. 3 The warm air causes the envelope to expand and rise, lifting the basket up.	Drag and Drop\Click and Pop	RI.4.5
25	This is a prompt typing space.	Constructed Response	W.4.2

ELA: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
26	**Part A** How does the author organize the information in paragraphs 1 and 2? (●) Order of events **Part B** Which reason **best** supports the answer to part A? ( ) The Moon landing is shown to be different from other space trips. ( ) The text explains how humans solved the problem of landing on the Moon. (●) Moments from the Moon landing are described in sequence.	Multipart	RI.4.5
27	(●) "We haven't been back—but wouldn't it be wonderful if we could?" (paragraph 7)	Multiple-Choice Single-Select	RI.4.8
28	[x] They took photographs. [ ] They repaired the lunar module. [x] They collected objects to bring back to Earth. [x] They conducted some experiments.	Multiple-Choice Multiple-Select	RI.4.2

ELA: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
29	☑ Training, practice, and experience are important. ☑ You get to look at Earth in a totally different way. ☑ Landing in a clear, safe area is difficult.	Multiple-Choice Multiple-Select	RI.4.9
30	◉ Hot air balloons are safer to ride than spaceships are.	Multiple-Choice Single-Select	RI.4.6

Grade 4 Constructed Response Scoring Rubric

ELA Grade 4 Practice Test Answer Key - TTS

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

ELA: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	**engage** *verb* 1. to become interested or involved 2. to enter into an agreement 3.	Select in Passage	L.4.4
2	☑ The signs of worry in dogs ☑ Strategies for approaching dogs ☑ Ways to reward dogs	Multiple-Choice Multiple-Select	RI.4.1
3	☑ Paragraph 8 ☑ Paragraph 9	Multiple-Choice Multiple-Select	RI.4.7

ELA: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
4	**Part A** What is the main idea of the passage? (●) Both dogs and volunteers benefit from shelter reading programs. **Part B** Which pair of paragraphs from the passage **best** supports the answer to part A? ( ) Paragraphs 1 and 3 ( ) Paragraphs 2 and 4 (●) Paragraphs 8 and 13	Multipart	RI.4.2

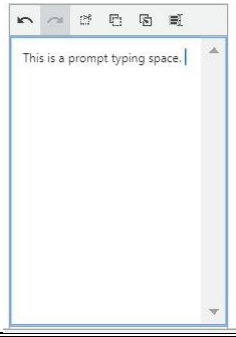
ELA: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
5	☑ Rescue dogs were not comfortable in the shelter environment. ☐ Photographs of dogs showed that they were hiding in the back of their cages. ☑ Children who visited the shelter wanted to help the dogs.	Multiple-Choice Multiple-Select	RI.4.5
6	◉ Does barking affect dogs' adoption success rates?	Multiple-Choice Single-Select	W.4.7
7	3. Put the lima beans on the soil.	Drag and Drop\Click and Pop	RI.2.3
8	◉ Oceans are important to life on Earth.	Multiple-Choice Single-Select	RI.2.2

ELA: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
9	Birds have feathers that cover their bodies, but bats have fur.	Select in Passage	RI.2.3
10	Love , Kristin	Drag and Drop\Click and Pop	L.2.2.b
11	The alpaca fleece makes warm blankets and rugs.	Select in Passage	W.2.8
12	◉ However,	Multiple-Choice Single-Select	W.4.4
13	◉ On some days, stratus clouds blocked the Sun like a gray blanket as a drizzly rain fell from the sky.	Multiple-Choice Single-Select	W.4.5

ELA: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
14	**Part A** Which word from the paragraph is misspelled? (●) calender **Part B** Write the correct spelling of the word in the space provided. calendar	Multipart	L.4.2
15	(●) Changing "observed" to "observe"	Multiple-Choice Single-Select	L.4.1
16	A loud truck wakes me _____ every Monday morning.	Drag and Drop\Click and Pop	L.2.1.f

ELA: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
17	☑ "Making Kites Fly Higher" ☐ "Ben Franklin's Best Idea" ☐ "Five Perfect Kite Beaches" ☑ "How to Design a Simple Kite"	Multiple-Choice Multiple-Select	W.6.8
18	Maxwell Middle School requires all students to complete ten hours of of-the-year trip. However , I believe that in some cases, students should be not finished their community service hours. For instance , several students h complete their hours but could not because of illness or other events beyond There will still be time for students who have finished nine hours to complete For these reasons , I suggest that any student who is only one hour away fr the trip if he or she schedules a date for making up the missing hour when w	Drag and Drop\Click and Pop	W.6.1.c
19	☑ Sophie helps feed the horses, too. ☐ Sophie and Brandon are good friends. ☑ Sometimes Sophie brushes the dogs and cats.	Multiple-Choice Multiple-Select	W.2.2
20	◉ pair	Multiple-Choice Multiple-Select	L.2.1.a

ELA: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
21	◉ The balloon moves at the same speed as the wind.	Multiple-Choice Single-Select	RI.4.1
22	◉ By moving the balloon up or down to catch different winds	Multiple-Choice Single-Select	RI.4.3
23	1 Giant fans blow cold air into the envelope. 2 A propane burner heats the air inside the envelope. 3 The warm air causes the envelope to expand and rise, lifting the basket up.	Drag and Drop\Click and Pop	RI.4.5

ELA: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
24		Constructed Response	W.4.2
25	**Part A** How does the author organize the information in paragraphs 1 and 2? ◉ Order of events	Multipart	RI.4.5

ELA: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Part B Which reason **best** supports the answer to part A? ○ The Moon landing is shown to be different from other space trips. ○ The text explains how humans solved the problem of landing on the Moon. ◉ Moments from the Moon landing are described in sequence.		
26	◉ "We haven't been back—but wouldn't it be wonderful if we could?" (paragraph 7)	Multiple-Choice Single-Select	RI.4.8

ELA: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
27	☑ They took photographs. ☐ They repaired the lunar module. ☑ They collected objects to bring back to Earth. ☑ They conducted some experiments.	Multiple-Choice Multiple-Select	RI.4.2
28	☑ Training, practice, and experience are important. ☑ You get to look at Earth in a totally different way. ☑ Landing in a clear, safe area is difficult.	Multiple-Choice Multiple-Select	RI.4.9
29	◉ Hot air balloons are safer to ride than spaceships are.	Multiple-Choice Single-Select	RI.4.6

Grade 4 Constructed Response Scoring Rubric

ELA Grade 5 Practice Test Answer Key

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

ELA: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ No one believes girls can be good drummers.	Multiple-Choice Single-Select	RL.5.1
2	she **heard** the whir of parrot **wings**	Select in Passage	L.5.4
3	◉ revealing that the girl has talent and willingness to work.	Multiple-Choice Single-Select	RL.5.5
4	The girl is similar to her big sisters in that they all love to make music. The girl is different from her big sisters in that she chooses an instrument girls rarely play.	Drop-Down	RL.5.3

ELA: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
5	**Summary** 1 The girl hears music in the world around her and creates her own beats on ordinary surfaces. 2 The music teacher the girl's father hires is impressed and gives her lessons. 3 Everyone hearing the girl's live performance at a café begins to sing and dance.	Drag and Drop\Click and Pop	RL.5.2
6	**Part A** One theme in the poem is that music can ◉ inspire people to change their minds.	Multipart	RL.5.2

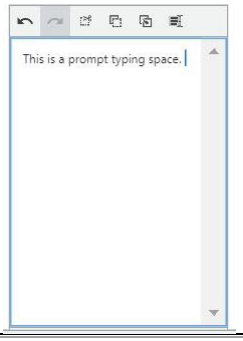
ELA: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Part B Which section of the poem **best** expresses this theme? ○ Lines 1 through 4 ○ Lines 22 through 27 ○ Lines 38 through 42 ◉ Lines 95 through 102		

ELA: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
7	☑ "Furthermore, wildlife that depends on native plants for food and shelter suffer when purple loosestrife moves in." (Paragraph 2) ☐ "Today, purple loosestrife grows in almost every U.S. state." (Paragraph 4) ☐ "Its seeds are small and lightweight." (Paragraph 5) ☑ "A breeze or the gentle current of a stream is enough to carry purple loosestrife seeds to new territory where it can vanquish native vegetation." (Paragraph 5)	Multiple-Choice Multiple-Select	RI.6.8
8	**Word in Passage**: **appoints** **Meaning of Word**: chooses	Drag and Drop\Click and Pop	L.6.4.a

ELA: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
9	butterflies make what is believed to be the world's longest insect migration, traveling from parts of North America as far north as Canada to as far south as central California and Mexico.	Select in Passage	L.5.4
10	◉ "They may be tiny, but they are mighty." (paragraph 2)	Multiple-Choice Single-Select	RI.5.2
11	According to paragraph 9, tens of millions of monarchs travel from east of the Rockies to Mexico's Sierra Madre.	Drop-Down	RI.5.1
12	◉ There is no milkweed growing in Mexico.	Multiple-Choice Single-Select	RI.5.3
13	**Student Note** / **Should Be Included** / **Should Not Be Included** Monarchs eat differently at different stages. / ○ / ◉ Monarchs cluster together at night. / ◉ / ○ Monarchs drink nectar often as they fly. / ◉ / ○ Monarchs become semi-dormant in Mexico. / ○ / ◉	Table	W.5.8

ELA: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
14	☑ An illustrated report showing the decrease of American wildflowers ☑ An article explaining how oyamel fir forest removal has affected the environment	Multiple-Choice Multiple-Select	W.5.8
15	☑ "Making Kites Fly Higher" ☐ "Ben Franklin's Best Idea" ☐ "Five Perfect Kite Beaches" ☑ "How to Design a Simple Kite"	Multiple-Choice Multiple-Select	W.6.8
16	Maxwell Middle School requires all students to complete ten hours of of-the-year trip. However , I believe that in some cases, students should be not finished their community service hours. For instance , several students h complete their hours but could not because of illness or other events beyonc There will still be time for students who have finished nine hours to complete For these reasons , I suggest that any student who is only one hour away fr the trip if he or she schedules a date for making up the missing hour when w	Drag and Drop\Click and Pop	W.6.1.c
17	◉ pair	Multiple-Choice Single-Select	L.2.1.a

ELA: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
18	☑ Sophie helps feed the horses, too. ☐ Sophie and Brandon are good friends. ☑ Sometimes Sophie brushes the dogs and cats.	Multiple-Choice Multiple-Select	W.2.2
19	Love , Kristin	Drag and Drop\Click and Pop	L.2.2.b
20	The alpaca fleece makes warm blankets and rugs.	Select in Passage	W.2.8
21	Jack woke up early on the morning of his speech. He rolled out of bed with a tightness in his stor with the words he had practiced. He picked up the piece of paper that contained the text of his speech. [**tattered** / **ruined**] from the many times he had held it and studied it. But the words filled him with pr hard on the speech, and now he was ready. His confidence returned, and he [**wandered** / **strode**] out day.	Select in Passage	W.6.3.d
22	Even though young Mikan was awkward when he moved, ▾ it did not stop him from enjoying his favorite sport. ▾	Drop-Down	RI.5.1

ELA: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
23	☑ He wore glasses. ☐ He once broke his leg. ☐ He played the piano. ☑ He was too tall.	Multiple-Choice Multiple-Select	RI.5.3
24	◉ "So Mikan learned to shoot baskets from farther back." (paragraph 15)	Multiple-Choice Single-Select	RI.5.8
25		Constructed Response	W.5.1

<table>
<tr><th colspan="4">ELA: Grade 5</th></tr>
<tr><th>Item Number</th><th>Correct Answer</th><th>Item Type</th><th>Item Alignment</th></tr>
<tr><td>26</td><td>They both practiced in new ways to learn different skills.</td><td>Multiple-Choice Single-Select</td><td>RI.5.9</td></tr>
<tr><td>27</td><td><table>
<tr><td>Main Idea for both passages</td><td>People can learn to use their physical differences to their advantage when it comes to sports.</td></tr>
<tr><td>Supporting detail from "Bigger than the Rules"</td><td>Detail from "Bigger than the Rules": "Now 6 feet 8 inches (203 cm) tall and broad-shouldered, his specialty was guarding the basket and blocking shots." (paragraph 4)</td></tr>
<tr><td>Supporting detail from "Long-Armed Ludy"</td><td>Detail from "Long-Armed Ludy": "In every sport, Ludy used her long arms to encourage her teammates." (paragraph 9)</td></tr>
</table></td><td>Drag and Drop\Click and Pop</td><td>RI.5.2</td></tr>
<tr><td>28</td><td>Paragraph 15</td><td>Multiple-Choice Single-Select</td><td>RI.5.2</td></tr>
<tr><td>29</td><td>It encourages her to take challenges.</td><td>Multiple-Choice Single-Select</td><td>RI.5.3</td></tr>
</table>

ELA: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
30	☑ "Did she even have a chance?" (paragraph 20) ☐ "Ludy whooped, 'Ooh la la!'" (paragraph 25) ☐ "Would they be kind?" (paragraph 29) ☑ "Was she good enough to win?" (paragraph 31)	Multiple-Choice Multiple-Select	RI.5.1

Grade 5 Constructed Response Scoring Rubric

ELA Grade 5 Practice Test Answer Key – TTS

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

ELA: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ No one believes girls can be good drummers.	Multiple-Choice Single-Select	RL.5.1
2	she **heard** the whir of parrot **wings**	Select in Passage	L.5.4
3	◉ revealing that the girl has talent and willingness to work.	Multiple-Choice Single-Select	RL.5.5
4	**Summary** 1 The girl hears music in the world around her and creates her own beats on ordinary surfaces. 2 The music teacher the girl's father hires is impressed and gives her lessons. 3 Everyone hearing the girl's live performance at a café begins to sing and dance.	Drag and Drop\Click and Pop	RL.5.2

ELA: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
5	**Part A** One theme in the poem is that music can (●) inspire people to change their minds. **Part B** Which section of the poem **best** expresses this theme? ( ) Lines 1 through 4 ( ) Lines 22 through 27 ( ) Lines 38 through 42 (●) Lines 95 through 102	Multipart	RL.5.2

ELA: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
6	☑ "Furthermore, wildlife that depends on native plants for food and shelter suffer when purple loosestrife moves in." (Paragraph 2) ☐ "Today, purple loosestrife grows in almost every U.S. state." (Paragraph 4) ☐ "Its seeds are small and lightweight." (Paragraph 5) ☑ "A breeze or the gentle current of a stream is enough to carry purple loosestrife seeds to new territory where it can vanquish native vegetation." (Paragraph 5)	Multiple-Choice Multiple-Select	RI.6.8
7	**Word in Passage**: **appoints** **Meaning of Word**: chooses	Drag and Drop\Click and Pop	L.6.4.a

ELA: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
8	butterflies make what is believed to be the world's longest insect migration, traveling from parts of North America as far north as Canada to as far south as central California and Mexico.	Select in Passage	L.5.4
9	◉ "They may be tiny, but they are mighty." (paragraph 2)	Multiple-Choice Single-Select	RI.5.2
10	◉ There is no milkweed growing in Mexico.	Multiple-Choice Single-Select	RI.5.3
11	**Student Note** / **Should Be Included** / **Should Not Be Included** Monarchs eat differently at different stages. / ○ / ■ Monarchs cluster together at night. / ■ / ○ Monarchs drink nectar often as they fly. / ■ / ○ Monarchs become semi-dormant in Mexico. / ○ / ■	Table	W.5.8

ELA: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
12	☑ An illustrated report showing the decrease of American wildflowers ☑ An article explaining how oyamel fir forest removal has affected the environment	Multiple-Choice Multiple-Select	W.5.8
13	☑ "Making Kites Fly Higher" ☐ "Ben Franklin's Best Idea" ☐ "Five Perfect Kite Beaches" ☑ "How to Design a Simple Kite"	Multiple-Choice Multiple-Select	W.6.8
14	Maxwell Middle School requires all students to complete ten hours of of-the-year trip. However , I believe that in some cases, students should be not finished their community service hours. For instance , several students h complete their hours but could not because of illness or other events beyonc There will still be time for students who have finished nine hours to complete For these reasons , I suggest that any student who is only one hour away fr the trip if he or she schedules a date for making up the missing hour when w	Drag and Drop\Click and Pop	W.6.1.c
15	◉ pair	Multiple-Choice Single-Select	L.2.1.a

ELA: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
16	☑ Sophie helps feed the horses, too. ☐ Sophie and Brandon are good friends. ☑ Sometimes Sophie brushes the dogs and cats.	Multiple-Choice Multiple-Select	W.2.2
17	Love , Kristin	Drag and Drop\Click and Pop	L.2.2.b
18	Jack woke up early on the morning of his speech. He rolled out of bed with a tightness in his stor with the words he had practiced. He picked up the piece of paper that contained the text of his speech. [**tattered** / **ruined**] from the many times he had held it and studied it. But the words filled him with pr hard on the speech, and now he was ready. His confidence returned, and he [**wandered** / **strode**] out day.	Select in Passage	W.6.3.d
19	The alpaca fleece makes warm blankets and rugs.	Select in Passage	W.2.8

ELA: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
10	☑ He wore glasses. ☐ He once broke his leg. ☐ He played the piano. ☑ He was too tall.	Multiple-Choice Multiple-Select	RI.5.3
21	◉ "So Mikan learned to shoot baskets from farther back." (paragraph 15)	Multiple-Choice Single-Select	RI.5.8
22	This is a prompt typing space.	Constructed Response	W.5.1

ELA: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
23	They both practiced in new ways to learn different skills.	Multiple-Choice Single-Select	RI.5.9
24	**Main Idea for both passages**: **People can learn to use their physical differences to their advantage when it comes to sports.** Supporting detail from "Bigger than the Rules": **Detail from "Bigger than the Rules":** "Now 6 feet 8 inches (203 cm) tall and broad-shouldered, his specialty was guarding the basket and blocking shots." (paragraph 4) Supporting detail from "Long-Armed Ludy": **Detail from "Long-Armed Ludy":** "In every sport, Ludy used her long arms to encourage her teammates." (paragraph 9)	Drag and Drop\Click and Pop	RI.5.2
25	Paragraph 15	Multiple-Choice Single-Select	RI.5.2
26	It encourages her to take challenges.	Multiple-Choice Single-Select	RI.5.3

ELA: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
27	☑ "Did she even have a chance?" (paragraph 20) ☐ "Ludy whooped, 'Ooh la la!'" (paragraph 25) ☐ "Would they be kind?" (paragraph 29) ☑ "Was she good enough to win?" (paragraph 31)	Multiple-Choice Multiple-Select	RI.5.1

Grade 5 Constructed Response Scoring Rubric

ELA Grade 6 Practice Test Answer Key

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

ELA: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ He had observed elements in nature moving upward.	Multiple-Choice Single-Select	RI.6.1
2	In order to see whether he could create something that would float "up the chimney with the smoke," Joseph first made [a paper bag.] After he succeeded, he attempted the same experiment using [a piece of silk.]	Drop-Down	RI.6.3
3	**demonstration** *noun* 1. an expression of feelings 2. a show of armed force 3. a march for a cause 4. a display	Select in Passage	L.6.4

ELA: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
4	In the last sentence of paragraph 18, the author uses [an unlikely comparison] to show that people believed that hot-air balloons would allow them to one day [see new parts of the Earth.]	Drop-Down	L.6.5
5	(●) "Once in the air, another gust tilted it and sent a plume of smoke streaming out its side." (paragraph 21)	Multiple-Choice Single-Select	RI.6.7
6	1 Joseph successfully managed to get a small paper bag to fly up the chimney. 2 Joseph and Étienne designed a large, round bag held together by buttons. 3 In front of an audience, Joseph and Étienne's balloon flew for ten minutes. 4 In front of the royal family, Joseph and Étienne effectively sent a basket carrying animals into the air.	Drag and Drop\Click and Pop	RI.6.2
7	**Book** / **Likely to Be Helpful** / **Unlikely to Be Helpful** *The Greatest Accomplishments of Marie Antoinette: A Queen* — ○ / ■ *A Traveler's Guide to Versailles* — ○ / ■ *The Montgolfier Brothers and Their Successful Experiment* — ■ / ○ *Flying High: The History of Aviation* — ■ / ○ *Science Projects for Beginners: A How-To Guide* — ○ / ■	Table	W.6.7

ELA: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
8	Although raccoons eat plants, they are also capable hunters and fishers. Raccoons commonly waters and along the banks of ponds and streams. They will eat almost anything. In cities and suburb problems. Raccoons are **notorious** for knocking over garbage cans while searching for food scraps. and dig up plants in gardens has also contributed to their bad reputation.	Select in Passage	L.6.4.a
9	**Word in Passage**: **appoints** **Meaning of Word**: chooses	Drag and Drop\Click and Pop	L.6.4.a
10	☑ "Making Kites Fly Higher" ☐ "Ben Franklin's Best Idea" ☐ "Five Perfect Kite Beaches" ☑ "How to Design a Simple Kite"	Multiple-Choice Multiple-Select	W.6.8
11	The cat seemed to melt into Stacey's arms and began to purr.	Drag and Drop\Click and Pop	W.6.3.b
12	Jack woke up early on the morning of his speech. He rolled out of bed with a tightness in his stor with the words he had practiced. He picked up the piece of paper that contained the text of his speech. [**tattered** / **ruined**] from the many times he had held it and studied it. But the words filled him with pr hard on the speech, and now he was ready. His confidence returned, and he [**wandered** / **strode**] out day.	Select in Passage	W.6.3.d

ELA: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
13	When it rains, snows, or even sleets, what makes it possible for [someone] to continue to drive safely?	Drop-Down	L.6.1
14	◉ However,	Multiple-Choice Single-Select	W.6.4

ELA: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
15	**Part A** In sentence 9 of the student's paragraph, which follows, six words are underlined. Select the underlined word that is spelled incorrectly. Anderson was convinced that there had to be a better solution, and she started to skech what she was picturing in her mind: a blade that could be operated from inside the vehicle. **Part B** Write the correct spelling of the word in the space provided. sketch	Multipart	L.6.2
16	Sentence 12	Multiple-Choice Single-Select	W.6.4

ELA: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
17	◉ pair	Multiple-Choice Single-Select	L.2.1.a
18	☑ Sophie helps feed the horses, too. ☐ Sophie and Brandon are good friends. ☑ Sometimes Sophie brushes the dogs and cats.	Multiple-Choice Multiple-Select	W.2.2
19	Love , Kristin	Drag and Drop\Click and Pop	L.2.2.b
20	The alpaca fleece makes warm blankets and rugs.	Select in Passage	W.2.8

ELA: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
21	Maxwell Middle School requires all students to complete ten hours of of-the-year trip. However , I believe that in some cases, students should be not finished their community service hours. For instance , several students h complete their hours but could not because of illness or other events beyond There will still be time for students who have finished nine hours to complete For these reasons , I suggest that any student who is only one hour away fr the trip if he or she schedules a date for making up the missing hour when w	Drag and Drop\Click and Pop	W.6.1.c
22	◉ "Nationwide, at least 10 medical schools teach cooking as a form of medicine, according to the medical journal *Population Health Management*." (paragraph 8)	Multiple-Choice Single-Select	RI.6.8
23	☑ A doctor teaches a free meal-preparation class to patients at a local clinic. ☑ A doctor shares a recipe containing foods that could help ease a patient's stomach pain.	Multiple-Choice Multiple-Select	RI.6.2

ELA: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
24	☑ "The salmon uses healthy fats to add flavor and make the patient feel full, she explained." (paragraph 23) ☐ "A salad with Greek yogurt dressing was also served." (paragraph 27) ☑ "He and his teammates chose their recipe because they learned that pickled foods and yogurt can improve gut health." (paragraph 29)	Multiple-Choice Multiple-Select	RI.6.1
25	◉ ". . . the Edible Schoolyard doesn't use any chemical fertilizers . . ." (paragraph 5)	Multiple-Choice Single-Select	RI.6.1
26	According to the passage, the students use compost in their garden because it [improves the quality of the soil] while also [providing a use for leftover waste.]	Drop-Down	RI.6.3

ELA: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
27	**Part A** The **main** idea expressed in the section titled "The Slow Food Movement" is that people should (●) pay attention to the sources of their food. **Part B** Which sentence from the passage **best** shows that the ESY students would agree with the main idea identified in part A? ( ) "One year, they planted beets in the shape of a heart, growing a living heart-beet!" (paragraph 4) (●) "They plant their crops by hand, build frames out of bamboo to support plants, learn about the seasons in the garden, and maintain the compost pile." (paragraph 4)	Multipart	RI.6.2

ELA: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
28	◉ "Each day, the students make delicious, healthy dishes. They gather together to share what they have prepared." (paragraph 5)	Multiple-Choice Single-Select	RI.6.9
29	**Statements** / **"Cooking as Medicine"** / **"Growing a Schoolyard Garden"** / **Both Passages** Growing crops can teach people how to work together. / ○ / ■ / ○ People should eat foods grown by local farmers. / ○ / ○ / ■ The right foods can improve people's health problems. / ■ / ○ / ○ Cooking is a skill that helps people make healthy choices. / ○ / ○ / ■	Table	RI.6.9
30	This is a prompt typing space.	Constructed Response	W.6.9

Grade 6 Constructed Response Scoring Rubric

ELA Grade 6 Practice Test Answer Key – TTS

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

ELA: Grade 6 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ He had observed elements in nature moving upward.	Multiple-Choice Single-Select	RI.6.1
2	**demonstration** *noun* 1. an expression of feelings 2. a show of armed force 3. a march for a cause **4. a display**	Select in Passage	L.6.4
3	◉ "Once in the air, another gust tilted it and sent a plume of smoke streaming out its side." (paragraph 21)	Multiple-Choice Single-Select	RI.6.7
4	1 Joseph successfully managed to get a small paper bag to fly up the chimney. 2 Joseph and Étienne designed a large, round bag held together by buttons. 3 In front of an audience, Joseph and Étienne's balloon flew for ten minutes. 4 In front of the royal family, Joseph and Étienne effectively sent a basket carrying animals into the air.	Drag and Drop\Click and Pop	RI.6.2

ELA: Grade 6 - TTS

Item Number	Correct Answer	Item Type	Item Alignment
5		Table	W.6.7
6		Select in Passage	L.6.4.a
7		Drag and Drop\Click and Pop	L.6.4.a
8		Multiple-Choice Multiple-Select	W.6.8

Item 5 — Correct Answer

Book	Likely to Be Helpful	Unlikely to Be Helpful
The Greatest Accomplishments of Marie Antoinette: A Queen	○	■
A Traveler's Guide to Versailles	○	■
The Montgolfier Brothers and Their Successful Experiment	■	○
Flying High: The History of Aviation	■	○
Science Projects for Beginners: A How-To Guide	○	■

Item 6 — Correct Answer

Although raccoons eat plants, they are also capable hunters and fishers. Raccoons commonly waters and along the banks of ponds and streams. They will eat almost anything. In cities and suburb problems. Raccoons are **notorious** for knocking over garbage cans while searching for food scraps. and dig up plants in gardens has also contributed to their bad reputation.

Item 7 — Correct Answer

Word in Passage	Meaning of Word
appoints	chooses

Item 8 — Correct Answer

- [x] "Making Kites Fly Higher"
- [ ] "Ben Franklin's Best Idea"
- [ ] "Five Perfect Kite Beaches"
- [x] "How to Design a Simple Kite"

ELA: Grade 6 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
9	The cat seemed to melt into Stacey's arms and began to purr.	Drag and Drop\Click and Pop	W.6.3.b
9	Jack woke up early on the morning of his speech. He rolled out of bed with a tightness in his sto with the words he had practiced. He picked up the piece of paper that contained the text of his speech. [**tattered** / **ruined**] from the many times he had held it and studied it. But the words filled him with pr hard on the speech, and now he was ready. His confidence returned, and he [**wandered** / **strode**] out day.	Select in Passage	W.6.3.d
10	However,	Multiple-Choice Single-Select	W.6.4

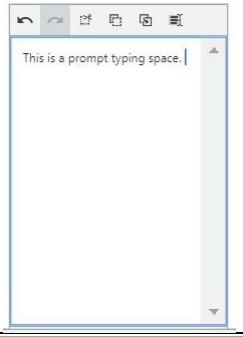
ELA: Grade 6 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
11	**Part A** In sentence 9 of the student's paragraph, which follows, six words are underlined. Select the underlined word that is spelled incorrectly. Anderson was convinced that there had to be a better solution, and she started to skech what she was picturing in her mind: a blade that could be operated from inside the vehicle. **Part B** Write the correct spelling of the word in the space provided. sketch	Multipart	L.6.2
12	Sentence 12	Multiple-Choice Single-Select	W.6.4

ELA: Grade 6 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
13	◉ pair	Multiple-Choice Single-Select	L.2.1.a
14	☑ Sophie helps feed the horses, too. ☐ Sophie and Brandon are good friends. ☑ Sometimes Sophie brushes the dogs and cats.	Multiple-Choice Multiple-Select	W.2.2
15	Love , Kristin	Drag and Drop\Click and Pop	L.2.2.b
16	The alpaca fleece makes warm blankets and rugs.	Select in Passage	W.2.8

ELA: Grade 6 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
17	Maxwell Middle School requires all students to complete ten hours of of-the-year trip. However , I believe that in some cases, students should be not finished their community service hours. For instance , several students h complete their hours but could not because of illness or other events beyond There will still be time for students who have finished nine hours to complete For these reasons , I suggest that any student who is only one hour away fr the trip if he or she schedules a date for making up the missing hour when w	Drag and Drop\Click and Pop	W.6.1.c
18	◉ "Nationwide, at least 10 medical schools teach cooking as a form of medicine, according to the medical journal *Population Health Management*." (paragraph 8)	Multiple-Choice Single-Select	RI.6.8
19	☑ A doctor teaches a free meal-preparation class to patients at a local clinic. ☑ A doctor shares a recipe containing foods that could help ease a patient's stomach pain.	Multiple-Choice Multiple-Select	RI.6.2

ELA: Grade 6 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
20	☑ "The salmon uses healthy fats to add flavor and make the patient feel full, she explained." (paragraph 23) ☐ "A salad with Greek yogurt dressing was also served." (paragraph 27) ☑ "He and his teammates chose their recipe because they learned that pickled foods and yogurt can improve gut health." (paragraph 29)	Multiple-Choice Multiple-Select	RI.6.1
21	◉ ". . . the Edible Schoolyard doesn't use any chemical fertilizers . . ." (paragraph 5)	Multiple-Choice Single-Select	RI.6.1
22	**Part A** The **main** idea expressed in the section titled "The Slow Food Movement" is that people should ◉ pay attention to the sources of their food.	Multipart	RI.6.2

ELA: Grade 6 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Part B Which sentence from the passage **best** shows that the ESY students would agree with the main idea identified in part A? ○ "One year, they planted beets in the shape of a heart, growing a living heart-beet!" (paragraph 4) ◉ "They plant their crops by hand, build frames out of bamboo to support plants, learn about the seasons in the garden, and maintain the compost pile." (paragraph 4)		
23	◉ "Each day, the students make delicious, healthy dishes. They gather together to share what they have prepared." (paragraph 5)	Multiple-Choice Single-Select	RI.6.9

<table>
<tr><th colspan="4">ELA: Grade 6 - TTS</th></tr>
<tr><th>Item Number</th><th>Correct Answer</th><th>Item Type</th><th>Item Alignment</th></tr>
<tr><td>24</td><td>
<table>
<tr><th>Statements</th><th>"Cooking as Medicine"</th><th>"Growing a Schoolyard Garden"</th><th>Both Passages</th></tr>
<tr><td>Growing crops can teach people how to work together.</td><td>○</td><td>■</td><td>○</td></tr>
<tr><td>People should eat foods grown by local farmers.</td><td>○</td><td>○</td><td>■</td></tr>
<tr><td>The right foods can improve people's health problems.</td><td>■</td><td>○</td><td>○</td></tr>
<tr><td>Cooking is a skill that helps people make healthy choices.</td><td>○</td><td>○</td><td>■</td></tr>
</table>
</td><td>Table</td><td>RI.6.9</td></tr>
<tr><td>25</td><td> 
</td><td>Constructed Response</td><td>W.6.9</td></tr>
</table>

Grade 6 Constructed Response Scoring Rubric

ELA Grade 7 Practice Test Answer Key

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

ELA: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ Newton's scientific research prepared him for his work at the Mint.	Multiple-Choice Single-Select	RI.7.7
2	In paragraph 3, the author explains that before 1662, counterfeiters were able to [trick others into accepting their coins] because [pictures on real coins could be unclear.]	Drop-Down	RI.7.3
3	◉ The engraving sent a message to counterfeiters.	Multiple-Choice Single-Select	L.7.5
4	◉ As Master of the Mint, Isaac Newton played a significant role in fighting the common crime of counterfeiting.	Multiple-Choice Single-Select	RI.7.2

ELA: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
5	☑ "Records also show that Newton himself tracked down criminals to their lairs and interrogated them in person." (paragraph 7) ☑ "Newton worked full-time to convict master counterfeiter William Chaloner." (paragraph 7)	Multiple-Choice Multiple-Select	RI.7.1
6	**Part A** ◉ By describing its practical benefits for Newton **Part B** experiments in Cambridge. The scientist did not believe alchemy was magic or evil, as some claimed. Newton's skills as an alchemist helped him measure the purity of the Mint's coins, assay the amount of precious metal in foreign coins, and identify counterfeit ones.	Multipart	RI.7.6

ELA: Grade 7

Item Number	Correct Answer	Item Type	Item Alignment
7	<table><tr><th>Actions Intended to Prevent Counterfeiting</th><th>Newton's Actions</th><th>Actions of Others</th></tr><tr><td>Introduced machinery to the mint</td><td>○</td><td>■</td></tr><tr><td>Decided to withdraw handmade coins from use</td><td>○</td><td>■</td></tr><tr><td>Questioned accused counterfeiters in prisons</td><td>■</td><td>○</td></tr><tr><td>Hired individuals to find where counterfeiters hid their equipment</td><td>■</td><td>○</td></tr></table>	Table	RI.7.3
8	◉ How has technology been used to fight counterfeiting?	Multiple-Choice Single-Select	W.7.7
9	Although raccoons eat plants, they are also capable hunters and fishers. Raccoons commonly waters and along the banks of ponds and streams. They will eat almost anything. In cities and suburb problems. Raccoons are **notorious** for knocking over garbage cans while searching for food scraps. and dig up plants in gardens has also contributed to their bad reputation.	Select in Passage	L.6.4.a
10	<table><tr><th>Word in Passage</th><th>Meaning of Word</th></tr><tr><td>**appoints**</td><td>chooses</td></tr></table>	Drag and Drop\Click and Pop	L.6.4.a
11	Jack woke up early on the morning of his speech. He rolled out of bed with a tightness in his stor with the words he had practiced. He picked up the piece of paper that contained the text of his speech. [tattered / ruined] from the many times he had held it and studied it. But the words filled him with pr hard on the speech, and now he was ready. His confidence returned, and he [wandered / strode] out day.	Select in Passage	W.6.3.d

ELA: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
12	Maxwell Middle School requires all students to complete ten hours of of-the-year trip. However , I believe that in some cases, students should be not finished their community service hours. For instance , several students h complete their hours but could not because of illness or other events beyonc There will still be time for students who have finished nine hours to complete For these reasons , I suggest that any student who is only one hour away fr the trip if he or she schedules a date for making up the missing hour when w	Drag and Drop\Click and Pop	W.6.1.c
13	pair	Multiple-Choice Single-Select	L.2.1.a

ELA: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
14	**Part A** Which word from sentence 1 is misspelled? ○ Unfortunately ○ creatures ○ endangered ◉ specis **Part B** Write the correct spelling of the word in the space provided. species	Multipart	L.7.2
15	Traveling ▾ great distances during their lives, they live in oceans all over the world.	Drop-Down	L.7.1

ELA: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
16	We must keep the oceans clean, adjust shipping paths, and protect them from getting tangled accidentally in fishing nets.	Multiple-Choice Single-Select	W.7.5
17	Removing "you all know"	Multiple-Choice Single-Select	W.7.4
18	[x] Sophie helps feed the horses, too. [ ] Sophie and Brandon are good friends. [x] Sometimes Sophie brushes the dogs and cats.	Multiple-Choice Multiple-Select	W.2.2
19	Love , Kristin	Drag and Drop\Click and Pop	L.2.2.b
20	[x] "Making Kites Fly Higher" [ ] "Ben Franklin's Best Idea" [ ] "Five Perfect Kite Beaches" [x] "How to Design a Simple Kite"	Multiple-Choice Multiple-Select	W.6.8

ELA: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
21	The cat seemed to melt into Stacey's arms and began to purr.	Drag and Drop\Click and Pop	W.6.3.b
22	himself	Multiple-Choice Single-Select	L.6.1.b
23	The animal imagery that suggests power and strength The presence of symbols associated with kings	Multiple-Choice Multiple-Select	RI.7.1
24	Paragraph 2	Multiple-Choice Single-Select	RI.7.7

ELA: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
25	☑ The probable source of the azurite for the blue paint ☐ The birthplace of the kings Khufu and Khafre ☑ The region where the alabaster for the temple floor came from	Multiple-Choice Multiple-Select	RI.7.7
26	◉ "Around 220 B.C., Qin Shi Huang, the Qin dynasty's first emperor of a unified China, ordered that earlier fortifications between states be removed and a number of existing walls along the northern border be joined into a single system . . ." (paragraph 3)	Multiple-Choice Single-Select	RI.7.1
27	The Great Wall is considered both [a monumental accomplishment] and a symbol of China's [enduring culture.]	Drop-Down	RI.7.2

ELA: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
28	◉ Although the successful invasion of the Manchus represented the failure of the Great Wall's original purpose, in the following years the Great Wall has become one of the most popular and celebrated monuments in the world.	Multiple-Choice Single-Select	RI.7.2
29	**Phrase** / **"Guardian on the Plateau"** / **"The Great Wall of China"** / **Both** Describes the spiritual meaning of the structure: ◉ / ○ / ○ Explains where the materials used to build the structure came from: ○ / ○ / ◉ Cites specific occurrences that have damaged the structure: ○ / ◉ / ○ Provides reasons for the fame and popularity of the structure: ○ / ○ / ◉	Table	RI.7.9
30	This is a prompt typing space.	Constructed Response	W.7.9

[Grade 7 Constructed Response Scoring Rubric]

ELA Grade 7 Practice Test Answer Key - TTS

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

ELA: Grade 7 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	Newton's scientific research prepared him for his work at the Mint.	Multiple-Choice Single-Select	RI.7.7
2	The engraving sent a message to counterfeiters.	Multiple-Choice Single-Select	L.7.5
3	As Master of the Mint, Isaac Newton played a significant role in fighting the common crime of counterfeiting.	Multiple-Choice Single-Select	RI.7.2

ELA: Grade 7 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
4	☑ "Records also show that Newton himself tracked down criminals to their lairs and interrogated them in person." (paragraph 7) ☑ "Newton worked full-time to convict master counterfeiter William Chaloner." (paragraph 7)	Multiple-Choice Multiple-Select	RI.7.1
5	**Part A** ◉ By describing its practical benefits for Newton **Part B** experiments in Cambridge. The scientist did not believe alchemy was magic or evil, as some claimed. Newton's skills as an alchemist helped him measure the purity of the Mint's coins, assay the amount of precious metal in foreign coins, and identify counterfeit ones.	Multipart	RI.7.6

ELA: Grade 7 - TTS

Item Number	Correct Answer	Item Type	Item Alignment
6	<table><tr><th>Actions Intended to Prevent Counterfeiting</th><th>Newton's Actions</th><th>Actions of Others</th></tr><tr><td>Introduced machinery to the mint</td><td>○</td><td>■</td></tr><tr><td>Decided to withdraw handmade coins from use</td><td>○</td><td>■</td></tr><tr><td>Questioned accused counterfeiters in prisons</td><td>■</td><td>○</td></tr><tr><td>Hired individuals to find where counterfeiters hid their equipment</td><td>■</td><td>○</td></tr></table>	Table	RI.7.3
7	◉ How has technology been used to fight counterfeiting?	Multiple-Choice Single-Select	W.7.7
8	Although raccoons eat plants, they are also capable hunters and fishers. Raccoons commonly waters and along the banks of ponds and streams. They will eat almost anything. In cities and suburb problems. Raccoons are **notorious** for knocking over garbage cans while searching for food scraps. and dig up plants in gardens has also contributed to their bad reputation.	Select in Passage	L.6.4.a
9	<table><tr><th>Word in Passage</th><th>Meaning of Word</th></tr><tr><td>appoints</td><td>chooses</td></tr></table>	Drag and Drop\Click and Pop	L.6.4.a
10	Jack woke up early on the morning of his speech. He rolled out of bed with a tightness in his stor with the words he had practiced. He picked up the piece of paper that contained the text of his speech. [tattered / ruined] from the many times he had held it and studied it. But the words filled him with pr hard on the speech, and now he was ready. His confidence returned, and he [wandered / strode] out day.	Select in Passage	W.6.3.d

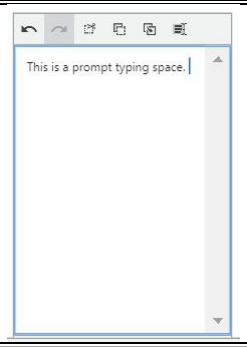
ELA: Grade 7 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
11	Maxwell Middle School requires all students to complete ten hours of of-the-year trip. However , I believe that in some cases, students should be not finished their community service hours. For instance , several students h complete their hours but could not because of illness or other events beyonc There will still be time for students who have finished nine hours to complete For these reasons , I suggest that any student who is only one hour away fr the trip if he or she schedules a date for making up the missing hour when w	Drag and Drop\Click and Pop	W.6.1.c
12	pair	Multiple-Choice Single-Select	L.2.1.a

ELA: Grade 7 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
13	**Part A** Which word from sentence 1 is misspelled? ○ Unfortunately ○ creatures ○ endangered ◉ specis **Part B** Write the correct spelling of the word in the space provided. species	Multipart	L.7.2
14	◉ We must keep the oceans clean, adjust shipping paths, and protect them from getting tangled accidentally in fishing nets.	Multiple-Choice Single-Select	W.7.5

ELA: Grade 7 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
15	(●) Removing "you all know"	Multiple-Choice Single-Select	W.7.4
16	[x] Sophie helps feed the horses, too. [ ] Sophie and Brandon are good friends. [x] Sometimes Sophie brushes the dogs and cats.	Multiple-Choice Multiple-Select	W.2.2
17	Love , Kristin	Drag and Drop\Click and Pop	L.2.2.b
18	[x] "Making Kites Fly Higher" [ ] "Ben Franklin's Best Idea" [ ] "Five Perfect Kite Beaches" [x] "How to Design a Simple Kite"	Multiple-Choice Multiple-Select	W.6.8
19	The cat seemed to melt into Stacey's arms and began to purr.	Drag and Drop\Click and Pop	W.6.3.b

ELA: Grade 7 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
20	himself	Multiple-Choice Single-Select	L.6.1.b
21	☑ The animal imagery that suggests power and strength ☑ The presence of symbols associated with kings	Multiple-Choice Multiple-Select	RI.7.1
22	◉ Paragraph 2	Multiple-Choice Single-Select	RI.7.7
23	☑ The probable source of the azurite for the blue paint ☐ The birthplace of the kings Khufu and Khafre ☑ The region where the alabaster for the temple floor came from	Multiple-Choice Multiple-Select	RI.7.7

<table>
<tr><th colspan="4">ELA: Grade 7 - TTS</th></tr>
<tr><th>Item Number</th><th>Correct Answer</th><th>Item Type</th><th>Item Alignment</th></tr>
<tr><td>24</td><td>◉ "Around 220 B.C., Qin Shi Huang, the Qin dynasty's first emperor of a unified China, ordered that earlier fortifications between states be removed and a number of existing walls along the northern border be joined into a single system . . ." (paragraph 3)</td><td>Multiple-Choice Single-Select</td><td>RI.7.1</td></tr>
<tr><td>25</td><td>◉ Although the successful invasion of the Manchus represented the failure of the Great Wall's original purpose, in the following years the Great Wall has become one of the most popular and celebrated monuments in the world.</td><td>Multiple-Choice Single-Select</td><td>RI.7.2</td></tr>
<tr><td>26</td><td><table>
<tr><th>Phrase</th><th>"Guardian on the Plateau"</th><th>"The Great Wall of China"</th><th>Both</th></tr>
<tr><td>Describes the spiritual meaning of the structure</td><td>◉</td><td>○</td><td>○</td></tr>
<tr><td>Explains where the materials used to build the structure came from</td><td>○</td><td>○</td><td>◉</td></tr>
<tr><td>Cites specific occurrences that have damaged the structure</td><td>○</td><td>◉</td><td>○</td></tr>
<tr><td>Provides reasons for the fame and popularity of the structure</td><td>○</td><td>○</td><td>◉</td></tr>
</table></td><td>Table</td><td>RI.7.9</td></tr>
</table>

ELA: Grade 7 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
27		Constructed Response	W.7.9

Grade 7 Constructed Response Scoring Rubric

ELA Grade 8 Practice Test Answer Key

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

ELA: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ Paragraph 3	Multiple-Choice Single-Select	RI.8.1
2	**Part A** According to the passage and the graphic, a reader can infer that the **best** time for an athlete to compete is between ○ 6:00 and 7:30 A.M. ○ 7:30 and 10:00 A.M. ◉ 2:00 and 5:00 P.M. **Part B** Which paragraph **best** supports the answer to part A? ◉ Paragraph 4	Multipart	RI.8.7

ELA: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
3	1 Light cues travel through the retina and hit cells. 2 Cells send chemicals to the brain. 3 Approximately 20,000 neurons are activated. 4 Hormones keep the body on schedule.	Drag and Drop\Click and Pop	RI.8.3
4	◉ waking people up in the morning.	Multiple-Choice Single-Select	L.8.5
5	**consistently** *adverb* 1. with regularity 2. with true character 3. with equal value 4. with firmness	Select in Passage	L.8.4
6	◉ The body's circadian rhythms affect daily activities and health in many ways, so research is being done to see if they can be changed and controlled.	Multiple-Choice Single-Select	RI.8.2

<table>
<tr><th colspan="4">ELA: Grade 8</th></tr>
<tr><th>Item Number</th><th>Correct Answer</th><th>Item Type</th><th>Item Alignment</th></tr>
<tr><td>7</td><td><table><tr><th>Research Question</th><th>Answered in Passage</th><th>Not Answered in Passage</th></tr><tr><td>What resets a person's internal clock each day?</td><td>◉</td><td>○</td></tr><tr><td>Do all animals follow circadian rhythms?</td><td>○</td><td>◉</td></tr><tr><td>What are some health risks of working at night?</td><td>◉</td><td>○</td></tr></table></td><td>Table</td><td>W.8.9</td></tr>
<tr><td>8</td><td>Although raccoons eat plants, they are also capable hunters and fishers. Raccoons commonly waters and along the banks of ponds and streams. They will eat almost anything. In cities and suburb problems. Raccoons are notorious for knocking over garbage cans while searching for food scraps. and dig up plants in gardens has also contributed to their bad reputation.</td><td>Select in Passage</td><td>L.6.4.a</td></tr>
<tr><td>9</td><td><table><tr><th>Word in Passage</th><th>Meaning of Word</th></tr><tr><td>appoints</td><td>chooses</td></tr></table></td><td>Drag and Drop\Click and Pop</td><td>L.6.4.a</td></tr>
</table>

ELA: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
10	☑ "Furthermore, wildlife that depends on native plants for food and shelter suffer when purple loosestrife moves in." (Paragraph 2) ☐ "Today, purple loosestrife grows in almost every U.S. state." (Paragraph 4) ☐ "Its seeds are small and lightweight." (Paragraph 5) ☑ "A breeze or the gentle current of a stream is enough to carry purple loosestrife seeds to new territory where it can vanquish native vegetation." (Paragraph 5)	Multiple-Choice Multiple-Select	RI.6.8
11	Love , Kristin	Drag and Drop\Click and Pop	L.2.2.b
12	The alpaca fleece makes warm blankets and rugs.	Select in Passage	W.2.8

ELA: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
13	A loud truck wakes me every Monday morning.	Drag and Drop\Click and Pop	L.2.1.f
14	preserving	Multiple-Choice Single-Select	W.8.5
15	The Congressional Research Service (CRS), a team of researchers at the library [,] provides members of Congress with objective [ ] information [ ] about issues such as [ ] foreign policy, economics, science, and trade.	Drag and Drop\Click and Pop	L.8.2
16	Sentence 9	Multiple-Choice Single-Select	W.8.5

ELA: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
17	**Part A** ◉ proceedures **Part B** Write the correct spelling of the word in the space provided. procedures	Multipart	L.8.2
18	Jack woke up early on the morning of his speech. He rolled out of bed with a tightness in his stor with the words he had practiced. He picked up the piece of paper that contained the text of his speech. [**tattered** / **ruined**] from the many times he had held it and studied it. But the words filled him with pr hard on the speech, and now he was ready. His confidence returned, and he [**wandered** / **strode**] out day.	Select in Passage	W.6.3.d
19	Maxwell Middle School requires all students to complete ten hours of of-the-year trip. However , I believe that in some cases, students should be not finished their community service hours. For instance , several students h complete their hours but could not because of illness or other events beyonc There will still be time for students who have finished nine hours to complete For these reasons , I suggest that any student who is only one hour away fr the trip if he or she schedules a date for making up the missing hour when w	Drag and Drop\Click and Pop	W.6.1.c

ELA: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
20	☑ "Making Kites Fly Higher" ☐ "Ben Franklin's Best Idea" ☐ "Five Perfect Kite Beaches" ☑ "How to Design a Simple Kite"	Multiple-Choice Multiple-Select	W.6.8
21	The cat seemed to melt into Stacey's arms and began to purr.	Drag and Drop\Click and Pop	W.6.3.b
22	◉ The balloons need to stay within a broadcasting range, but wind currents can move them off course.	Multiple-Choice Single-Select	RI.8.7
23	◉ Balloons used to transmit Internet signals may one day serve as an alternative connection source in areas where fiber lines and cell towers are unaffordable.	Multiple-Choice Single-Select	RI.8.2

ELA: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
24	Controlling the balloons is a massive computational challenge, DeVaul said. Fortunately, he added, "at Google we've got a bunch of really clever computer scientists and a lot of computing power. We now believe we can make the rest of this work, technically." Google, of course, has an interest in helping more people get on the Internet. The multibillion-dollar tech giant makes most of its money by showing ads to consumers who use Google's online services.	Select in Passage	RI.8.8

ELA: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
25	**Part A** (●) It allows energy to be stored longer. **Part B** Which sentence from the passage **best** supports the answer to part A? ( ) "The huge plant takes up about 4,000 acres of public land—the equivalent of about 2,000 soccer fields." (paragraph 2) ( ) "Unlike energy from the sun, fossil fuels take millions of years to form." (paragraph 8) (●) "The salt can stay hot for weeks and be used to produce steam as needed." (paragraph 13)	Multipart	RI.8.3

ELA: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
26	1. Mirrors track the sun across the sky. 2. Sunlight is reflected onto the top of a tower. 3. Water is heated to boiling. 4. Steam turns turbines to produce electricity.	Drag and Drop\Click and Pop	RI.8.7
27	According to the passage, California plans to reduce the burning of fossil fuels by obtaining one-third of its energy from renewable sources.	Drop-Down	RI.8.2
28	Explaining the intended use of each of the technologies	Multiple-Choice Single-Select	RI.8.5

ELA: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
29	☑ Details about potential uncontrollable elements that could limit the effectiveness of the technologies ☐ Plans for raising the height of each technology to increase the amount of people served ☐ Environmental studies to protect ecological habitats from being negatively affected by the technologies ☑ Concerns about the high costs of developing the technologies	Multiple-Choice Multiple-Select	RI.8.1
30	This is a prompt typing space.	Constructed Response	W.8.2

[Grade 8 Constructed Response Scoring Rubric]

ELA Grade 8 Practice Test Answer Key – TTS

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

ELA: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ Paragraph 3	Multiple-Choice Single-Select	RI.8.1
2	**Part A** According to the passage and the graphic, a reader can infer that the **best** time for an athlete to compete is between ○ 6:00 and 7:30 A.M. ○ 7:30 and 10:00 A.M. ◉ 2:00 and 5:00 P.M. **Part B** Which paragraph **best** supports the answer to part A? ◉ Paragraph 4	Multipart	RI.8.7

ELA: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
3	1 Light cues travel through the retina and hit cells. 2 Cells send chemicals to the brain. 3 Approximately 20,000 neurons are activated. 4 Hormones keep the body on schedule.	Drag and Drop\Click and Pop	RI.8.3
4	◉ waking people up in the morning.	Multiple-Choice Single-Select	L.8.5
5	◉ The body's circadian rhythms affect daily activities and health in many ways, so research is being done to see if they can be changed and controlled.	Multiple-Choice Single-Select	RI.8.2
6	**Research Question** / **Answered in Passage** / **Not Answered in Passage** What resets a person's internal clock each day? / ■ / ○ Do all animals follow circadian rhythms? / ○ / ■ What are some health risks of working at night? / ■ / ○	Table	W.8.9

ELA: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
7	Although raccoons eat plants, they are also capable hunters and fishers. Raccoons commonly waters and along the banks of ponds and streams. They will eat almost anything. In cities and suburb problems. Raccoons are **notorious** for knocking over garbage cans while searching for food scraps. and dig up plants in gardens has also contributed to their bad reputation.	Select in Passage	L.6.4.a
8	**Word in Passage**: **appoints** **Meaning of Word**: chooses	Drag and Drop\Click and Pop	L.6.4.a
9	☑ "Furthermore, wildlife that depends on native plants for food and shelter suffer when purple loosestrife moves in." (Paragraph 2) ☐ "Today, purple loosestrife grows in almost every U.S. state." (Paragraph 4) ☐ "Its seeds are small and lightweight." (Paragraph 5) ☑ "A breeze or the gentle current of a stream is enough to carry purple loosestrife seeds to new territory where it can vanquish native vegetation." (Paragraph 5)	Multiple-Choice Multiple-Select	RI.6.8

ELA: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
10	Love , Kristin	Drag and Drop\Click and Pop	L.2.2.b
11	The alpaca fleece makes warm blankets and rugs.	Select in Passage	W.2.8
12	A loud truck wakes me every Monday morning.	Drag and Drop\Click and Pop	L.2.1.f
13	preserving	Multiple-Choice Single-Select	W.8.5
14	The Congressional Research Service (CRS), a team of researchers at the library [,] provides members of Congress with objective [ ] information [ ] about issues such as [ ] foreign policy, economics, science, and trade.	Drag and Drop\Click and Pop	L.8.2

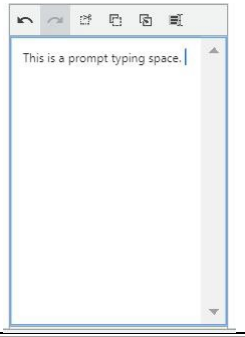
ELA: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
15	Sentence 9	Multiple-Choice Single-Select	W.8.5
16	**Part A** proceedures **Part B** Write the correct spelling of the word in the space provided. procedures	Multipart	L.8.2
17	Jack woke up early on the morning of his speech. He rolled out of bed with a tightness in his stor with the words he had practiced. He picked up the piece of paper that contained the text of his speech. [**tattered** / **ruined**] from the many times he had held it and studied it. But the words filled him with pr hard on the speech, and now he was ready. His confidence returned, and he [**wandered** / **strode**] out day.	Select in Passage	W.6.3.d

ELA: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
18	Maxwell Middle School requires all students to complete ten hours of of-the-year trip. However , I believe that in some cases, students should be not finished their community service hours. For instance , several students h complete their hours but could not because of illness or other events beyond There will still be time for students who have finished nine hours to complete For these reasons , I suggest that any student who is only one hour away fr the trip if he or she schedules a date for making up the missing hour when w	Drag and Drop\Click and Pop	W.6.1.c
19	☑ "Making Kites Fly Higher" ☐ "Ben Franklin's Best Idea" ☐ "Five Perfect Kite Beaches" ☑ "How to Design a Simple Kite"	Multiple-Choice Multiple-Select	W.6.8
20	The cat seemed to melt into Stacey's arms and began to purr.	Drag and Drop\Click and Pop	W.6.3.b
21	◉ The balloons need to stay within a broadcasting range, but wind currents can move them off course.	Multiple-Choice Single-Select	RI.8.7

ELA: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
22	Balloons used to transmit Internet signals may one day serve as an alternative connection source in areas where fiber lines and cell towers are unaffordable.	Multiple-Choice Single-Select	RI.8.2

ELA: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
23	**Part A** (●) It allows energy to be stored longer. **Part B** Which sentence from the passage **best** supports the answer to part A? ( ) "The huge plant takes up about 4,000 acres of public land—the equivalent of about 2,000 soccer fields." (paragraph 2) ( ) "Unlike energy from the sun, fossil fuels take millions of years to form." (paragraph 8) (●) "The salt can stay hot for weeks and be used to produce steam as needed." (paragraph 13)	Multipart	RI.8.3

ELA: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
24	1. Mirrors track the sun across the sky. 2. Sunlight is reflected onto the top of a tower. 3. Water is heated to boiling. 4. Steam turns turbines to produce electricity.	Drag and Drop\Click and Pop	RI.8.7
25	◉ Explaining the intended use of each of the technologies	Multiple-Choice Single-Select	RI.8.5

ELA: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
26	☑ Details about potential uncontrollable elements that could limit the effectiveness of the technologies ☐ Plans for raising the height of each technology to increase the amount of people served ☐ Environmental studies to protect ecological habitats from being negatively affected by the technologies ☑ Concerns about the high costs of developing the technologies	Multiple-Choice Multiple-Select	RI.8.1
27		Constructed Response	W.8.2

[Grade 8 Constructed Response Scoring Rubric]

ELA Grade 9 Practice Test Answer Key

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

ELA: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ Alexandra lacked agricultural training but still succeeded at farming.	Multiple-Choice Single-Select	RL.9 - 10.1
2	◉ A discussion about her brothers reveals Alexandra as accepting of others but also independent.	Multiple-Choice Single-Select	RL.9 - 10.5

ELA: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
3	**Part A** smiling,—"I even think I liked the old country better. This is all very splendid in its way, but there was something about this country when it was a wild old beast that has haunted me all these years. **Part B** Which statement **best** explains the effect of the phrase? ○ It portrays the land as a lost resource. ○ It emphasizes the profitability of the land. ○ It shows Carl's agitation while on the land. ◉ It expresses a sentimental tone about the land.	Multipart	RL.9 - 10.4

ELA: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
4	Paragraphs 14 through 18 primarily develop the plot by [revealing Carl's inner conflict.]	Drop-Down	RL.9 - 10.5
5	[x] "'I'm cowardly about things that remind me of myself. It took courage to come at all, Alexandra.'" (paragraph 12) [ ] "'Alexandra, all the way out from New York I've been planning how I could deceive you and make you think me a very enviable fellow, and here I am telling you the truth the first night.'" (paragraph 14) [x] "'You see . . . measured by your standards here, I'm a failure.'" (paragraph 15)	Multiple-Choice Multiple-Select	RL.9 - 10.3

ELA: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
6	◉ Being connected to others is an important part of life.	Multiple-Choice Single-Select	RL.9 - 10.2
7	Although raccoons eat plants, they are also capable hunters and fishers. Raccoons commonly waters and along the banks of ponds and streams. They will eat almost anything. In cities and suburb problems. Raccoons are **notorious** for knocking over garbage cans while searching for food scraps. and dig up plants in gardens has also contributed to their bad reputation.	Select in Passage	L.6.4.a
8	**Word in Passage**: **appoints** **Meaning of Word**: chooses	Drag and Drop\Click and Pop	L.6.4.a
9	Jack woke up early on the morning of his speech. He rolled out of bed with a tightness in his stor with the words he had practiced. He picked up the piece of paper that contained the text of his speech. [**tattered**/ **ruined**] from the many times he had held it and studied it. But the words filled him with pr hard on the speech, and now he was ready. His confidence returned, and he [**wandered**/ **strode**] out day.	Select in Passage	W.6.3.d

ELA: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
10	Maxwell Middle School requires all students to complete ten hours of of-the-year trip. However , I believe that in some cases, students should be not finished their community service hours. For instance , several students h complete their hours but could not because of illness or other events beyond There will still be time for students who have finished nine hours to complete For these reasons , I suggest that any student who is only one hour away fr the trip if he or she schedules a date for making up the missing hour when w	Drag and Drop\Click and Pop	W.6.1.c

ELA: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
11	**Part A** basic building blocks **Part B** In paragraph 2 of the passage, which follows, four phrases are underlined. Select the underlined phrase that **best** supports the answer to part A. Think atoms and molecules, and now you're there. You're down at the nanoscale, where scientists are learning about these fundamental components of matter and are putting them to use in beneficial ways.	Multipart	L.9 - 10.4
12	The surface area becomes larger when an object is broken into smaller parts.	Multiple-Choice Single-Select	RI.9 - 10.7

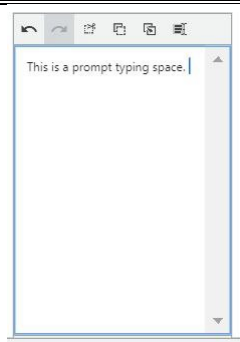
ELA: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
13	water-repellent surfaces. Today, these coatings are used to make stain-proof clothing and anti-icing coatings for airplane wings and wind turbines. Scientists are also creating antimicrobial surfaces that mimic the nanoscale structures on cicada wings.	Select in Passage	RI.9 - 10.5
14	**Part A** Based on the passage, what is the **main** reason nanotechnology is useful to scientists? ◉ Materials at the nanoscale have multiple surfaces and properties. **Part B** Which quotation from the passage **best** demonstrates the answer to part A? ○ "Nanotechnology is the study and application of extremely small things and is used across all other science fields, such as chemistry, biology, physics, materials science, and engineering." (paragraph 4) ◉ ". . . materials can have different properties at the nanoscale—some are better at conducting electricity or heat, some are stronger, some have different magnetic properties, and some reflect light better or change colors depending on their size." (paragraph 5)	Multipart	RI.9 - 10.2

<table>
<tr><th colspan="4">ELA: Grade 9</th></tr>
<tr><th>Item Number</th><th>Correct Answer</th><th>Item Type</th><th>Item Alignment</th></tr>
<tr><td>15</td><td><table><tr><th>Paragraph</th><th>Purpose</th></tr><tr><td>Paragraph 6</td><td>To introduce one reason nanoscale materials behave differently from larger materials</td></tr><tr><td>Paragraph 9</td><td>To demonstrate the size of the nanoscale</td></tr><tr><td>Paragraph 13</td><td>To state a difference between nanoscale materials in nature and those created by scientists</td></tr></table></td><td>Drag and Drop\Click and Pop</td><td>RI.9 - 10.6</td></tr>
<tr><td>16</td><td>☑ The natural world contains solutions to many human design problems.
☐ Technology based on natural structures is less harmful to the environment than other technology.
☑ Many naturally occurring systems already operate on the nanoscale.</td><td>Multiple-Choice Multiple-Select</td><td>RI.9 - 10.2</td></tr>
</table>

ELA: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
17	☑ A textbook chapter titled "Designing from Nature: How Engineers Find Inspiration in their Surroundings" ☐ An article from an architecture magazine called "Learning from Termites How to Create Buildings that Last" ☑ A story on the National Science Academies Web site titled "The Smaller the Better: How Surface Area Contributes to Nanotechnology"	Multiple-Choice Multiple-Select	W.9 - 10.8
18	☑ "Making Kites Fly Higher" ☐ "Ben Franklin's Best Idea" ☐ "Five Perfect Kite Beaches" ☑ "How to Design a Simple Kite"	Multiple-Choice Multiple-Select	W.6.8
19	A loud truck wakes me _____ every Monday morning.	Drag and Drop\Click and Pop	L.2.1.f

ELA: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
20	☑ "Furthermore, wildlife that depends on native plants for food and shelter suffer when purple loosestrife moves in." (Paragraph 2) ☐ "Today, purple loosestrife grows in almost every U.S. state." (Paragraph 4) ☐ "Its seeds are small and lightweight." (Paragraph 5) ☑ "A breeze or the gentle current of a stream is enough to carry purple loosestrife seeds to new territory where it can vanquish native vegetation." (Paragraph 5)	Multiple-Choice Multiple-Select	RI.6.8
21	The alpaca fleece makes warm blankets and rugs.	Select in Passage	W.2.8
22	The cat seemed to melt into Stacey's arms and began to purr.	Drag and Drop\Click and Pop	W.6.3.b

ELA: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
23	Because Congress had [lowered the age for military service to 18,] many young people were [forced to fight in the Vietnam War,] which eventually contributed to the passage of the Twenty-Sixth Amendment.	Drop-Down	RI.9 - 10.3
24	☑ The Twenty-Sixth Amendment established residency requirements that often make voting difficult for college students. ☑ The courts have played a key role in determining the minimum age of voters in local, state, and national elections.	Multiple-Choice Multiple-Select	RI.9 - 10.2
25	◉ "Most courts hearing similar cases have agreed, determining that election officials are not allowed to single out college students and ask if they intend to stay at their location after they finish school." (paragraph 9)	Multiple-Choice Single-Select	RI.9 - 10.8

ELA: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
26		Constructed Response	W.9 - 10.9
27	**Description** / **"Rock the Vote"** / **"The Twenty-Sixth Amendment"** / **Both** Explains why the voting age was lowered in 1971 / ○ / ○ / ◉ Traces the history of legal battles about the voting age / ○ / ◉ / ○ Provides an international perspective on the voting age / ◉ / ○ / ○ Discusses research on lowering the voting age to 16 / ◉ / ○ / ○	Table	RI.9 - 10.6
28	◉ Whether lowering the voting age to 16 would be likely to increase youth turnout	Multiple-Choice Single-Select	RI.9 - 10.7

Grade 9 Constructed Response Scoring Rubric

ELA Grade 9 Practice Test Answer Key - TTS

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

ELA: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	Alexandra lacked agricultural training but still succeeded at farming.	Multiple-Choice Single-Select	RL.9 - 10.1
2	A discussion about her brothers reveals Alexandra as accepting of others but also independent.	Multiple-Choice Single-Select	RL.9 - 10.5

ELA: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
3	**Part A** smiling,—"I even think I liked the old country better. This is all very splendid in its way, but there was something about this country when it was a wild old beast that has haunted me all these years. **Part B** Which statement **best** explains the effect of the phrase? ○ It portrays the land as a lost resource. ○ It emphasizes the profitability of the land. ○ It shows Carl's agitation while on the land. ◉ It expresses a sentimental tone about the land.	Multipart	RL.9 - 10.4

ELA: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
4	☑ "'I'm cowardly about things that remind me of myself. It took courage to come at all, Alexandra.'" (paragraph 12) ☐ "'Alexandra, all the way out from New York I've been planning how I could deceive you and make you think me a very enviable fellow, and here I am telling you the truth the first night.'" (paragraph 14) ☑ "'You see . . . measured by your standards here, I'm a failure.'" (paragraph 15)	Multiple-Choice Multiple-Select	RL.9 - 10.3
5	◉ Being connected to others is an important part of life.	Multiple-Choice Single-Select	RL.9 - 10.2

ELA: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
6	Although raccoons eat plants, they are also capable hunters and fishers. Raccoons commonly waters and along the banks of ponds and streams. They will eat almost anything. In cities and suburb problems. Raccoons are **notorious** for knocking over garbage cans while searching for food scraps. and dig up plants in gardens has also contributed to their bad reputation.	Select in Passage	L.6.4.a
7	**Word in Passage**: **appoints** **Meaning of Word**: chooses	Drag and Drop\Click and Pop	L.6.4.a
8	Jack woke up early on the morning of his speech. He rolled out of bed with a tightness in his stor with the words he had practiced. He picked up the piece of paper that contained the text of his speech. [tattered / ruined] from the many times he had held it and studied it. But the words filled him with pr hard on the speech, and now he was ready. His confidence returned, and he [wandered / strode] out day.	Select in Passage	W.6.3.d
9	Maxwell Middle School requires all students to complete ten hours of of-the-year trip. However , I believe that in some cases, students should be not finished their community service hours. For instance , several students h complete their hours but could not because of illness or other events beyond There will still be time for students who have finished nine hours to complete For these reasons , I suggest that any student who is only one hour away fr the trip if he or she schedules a date for making up the missing hour when w	Drag and Drop\Click and Pop	W.6.1.c

ELA: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
10	**Part A** (●) basic building blocks **Part B** In paragraph 2 of the passage, which follows, four phrases are underlined. Select the underlined phrase that **best** supports the answer to part A. Think atoms and molecules, and now you're there. You're down at the nanoscale, where scientists are learning about these fundamental components of matter and are putting them to use in beneficial ways.	Multipart	L.9 - 10.4
11	(●) The surface area becomes larger when an object is broken into smaller parts.	Multiple-Choice Single-Select	RI.9 - 10.7

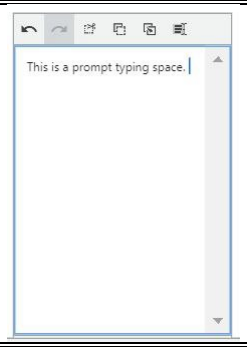
ELA: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
12	water-repellent surfaces. Today, these coatings are used to make stain-proof clothing and anti-icing coatings for airplane wings and wind turbines. Scientists are also creating antimicrobial surfaces that mimic the nanoscale structures on cicada wings.	Select in Passage	RI.9 - 10.5
13	**Part A** Based on the passage, what is the **main** reason nanotechnology is useful to scientists? ◉ Materials at the nanoscale have multiple surfaces and properties. **Part B** Which quotation from the passage **best** demonstrates the answer to part A? ○ "Nanotechnology is the study and application of extremely small things and is used across all other science fields, such as chemistry, biology, physics, materials science, and engineering." (paragraph 4) ◉ ". . . materials can have different properties at the nanoscale—some are better at conducting electricity or heat, some are stronger, some have different magnetic properties, and some reflect light better or change colors depending on their size." (paragraph 5)	Multipart	RI.9 - 10.2

ELA: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
14	<table><tr><th>Paragraph</th><th>Purpose</th></tr><tr><td>Paragraph 6</td><td>To introduce one reason nanoscale materials behave differently from larger materials</td></tr><tr><td>Paragraph 9</td><td>To demonstrate the size of the nanoscale</td></tr><tr><td>Paragraph 13</td><td>To state a difference between nanoscale materials in nature and those created by scientists</td></tr></table>	Drag and Drop\Click and Pop	RI.9 - 10.6
15	☑ The natural world contains solutions to many human design problems. ☐ Technology based on natural structures is less harmful to the environment than other technology. ☑ Many naturally occurring systems already operate on the nanoscale.	Multiple-Choice Multiple-Select	RI.9 - 10.2

ELA: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
16	☑ A textbook chapter titled "Designing from Nature: How Engineers Find Inspiration in their Surroundings" ☐ An article from an architecture magazine called "Learning from Termites How to Create Buildings that Last" ☑ A story on the National Science Academies Web site titled "The Smaller the Better: How Surface Area Contributes to Nanotechnology"	Multiple-Choice Multiple-Select	W.9 - 10.8
17	☑ "Making Kites Fly Higher" ☐ "Ben Franklin's Best Idea" ☐ "Five Perfect Kite Beaches" ☑ "How to Design a Simple Kite"	Multiple-Choice Multiple-Select	W.6.8

ELA: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
18	A loud truck wakes me _____ every Monday morning.	Drag and Drop\Click and Pop	L.2.1.f
19	☑ "Furthermore, wildlife that depends on native plants for food and shelter suffer when purple loosestrife moves in." (Paragraph 2) ☐ "Today, purple loosestrife grows in almost every U.S. state." (Paragraph 4) ☐ "Its seeds are small and lightweight." (Paragraph 5) ☑ "A breeze or the gentle current of a stream is enough to carry purple loosestrife seeds to new territory where it can vanquish native vegetation." (Paragraph 5)	Multiple-Choice Multiple-Select	RI.6.8
20	The alpaca fleece makes warm blankets and rugs.	Select in Passage	W.2.8

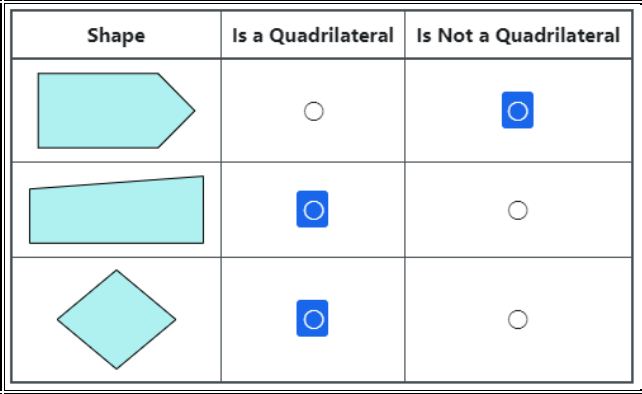
ELA: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
21	The cat seemed to melt into Stacey's arms and began to purr.	Drag and Drop\Click and Pop	W.6.3.b
22	☑ The Twenty-Sixth Amendment established residency requirements that often make voting difficult for college students. ☑ The courts have played a key role in determining the minimum age of voters in local, state, and national elections.	Multiple-Choice Multiple-Select	RI.9 - 10.2
23	◉ "Most courts hearing similar cases have agreed, determining that election officials are not allowed to single out college students and ask if they intend to stay at their location after they finish school." (paragraph 9)	Multiple-Choice Single-Select	RI.9 - 10.8

ELA: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
24		Constructed Response	W.9 - 10.9
25	**Description** / **"Rock the Vote"** / **"The Twenty-Sixth Amendment"** / **Both** Explains why the voting age was lowered in 1971 / ○ / ○ / ■ Traces the history of legal battles about the voting age / ○ / ■ / ○ Provides an international perspective on the voting age / ■ / ○ / ○ Discusses research on lowering the voting age to 16 / ■ / ○ / ○	Table	RI.9 - 10.6
26	◉ Whether lowering the voting age to 16 would be likely to increase youth turnout	Multiple-Choice Single-Select	RI.9 - 10.7

Grade 9 Constructed Response Scoring Rubric

Math Grade 3 Practice Test Answer Key

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

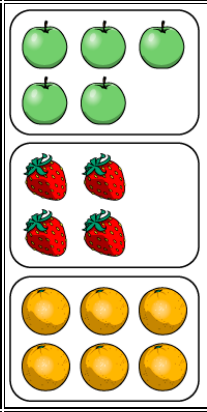
Math: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ $63 \div 7$	Multiple-Choice Single-Select	3.OA.2/3/4
2	17 ¢	Drag and Drop\Click and Pop	2.MD.C.8
3		Table	3.G.1
4	6 days	Numeric Entry	3.OA.8

Shape	Is a Quadrilateral	Is Not a Quadrilateral
	○	◉
	◉	○
	◉	○

Math: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
5	<table><tr><th>Line Segment</th><th>Length (inches)</th></tr><tr><td>X</td><td>$3\frac{3}{4}$</td></tr><tr><td>Y</td><td>4</td></tr><tr><td>Z</td><td>$2\frac{3}{4}$</td></tr></table>	Drag and Drop\Click and Pop	3.MD.4
6	10 pounds of nuts	Numeric Entry	3.OA.1/3/4
7	98 degrees	Numeric Entry	4.MD.C.6
8	405	Numeric Entry	3.NBT.2
9	◉ $\frac{2}{3} > \frac{2}{4}$	Multiple-Choice Single-Select	3.NF.3d
10	☐ Four right angles ☑ Exactly four sides ☐ Angles of different sizes ☑ Pairs of opposite sides with the same length	Multiple-Choice Multiple-Select	3.G.1

Math: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
11	◊ × ★ = 35	Multiple-Choice Single-Select	3.OA.5/6
12	eat breakfast	Multiple-Choice Single-Select	2.MD.C.7
13	3	Multiple-Choice Single-Select	3.MD.3
14	10 pencils	Numeric Entry	3.OA.2/3/4
15	108 square feet	Numeric Entry	3.MD.7c/7d
16	$6 \times (4 + 3)$	Multiple-Choice Single-Select	3.OA.5/6
17	9 : 21	Numeric Entry	3.MD.1
18		Multiple-Choice Single-Select	3.G.2

Math: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
19	☐ The length is 4 feet, and the width is 6 feet. ☑ The length is 7 feet, and the width is 5 feet. ☐ The length is 8 feet, and the width is 3 feet. ☑ The length is 9 feet, and the width is 3 feet.	Multiple-Choice Multiple-Select	3.MD.8
20	◉ 432	Multiple-Choice Single-Select	2.NBT.A.1
21	$8 \times \boxed{6} = 48$ $\boxed{7} = 21 \div 3$ $45 \div 9 = \boxed{5}$	Numeric Entry	3.OA.7
22	◉ The fraction $\frac{2}{3}$ can be represented by 1 whole that is partitioned into 3 equal parts, of which 2 parts are shaded.	Multiple-Choice Single-Select	3.NF.1
23	◉	Multiple-Choice Single-Select	2.MD.C.8

Math: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
24	 **Odd** Even Odd **Even** Odd **Even**	Select Text	2.OA.C.3
25	◉ 14 square inches	Multiple-Choice Single-Select	3.MD.5a/5b/6
26	**Equation** / **True** / **False** $60 \times 4 = 240$ / ◉ / ○ $5 \times 80 = 400$ / ◉ / ○ $3 \times 40 = 700$ / ○ / ◉ $9 \times 80 = 170$ / ○ / ◉	Table	3.NBT.3

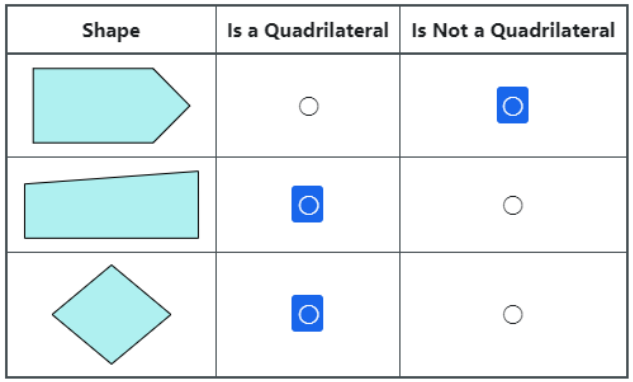
Math: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
27	The result will always be an [even] number, and the digit in the ones place will always be [0].	Drop-Down	3.OA.9
28	▲ = [6] [×] [12] ▲ = [12] [×] [6]	Drag and Drop\Click and Pop	3.OA.1/3/4
29	**Part A** Point P represents the fraction $\frac{4}{6}$ because the number line from 0 to 1 is partitioned into [6] equal parts of size [$\frac{1}{6}$], and the point is [4] lengths of this size from 0. **Part B** The models that could be used are Model J and [Model K] because [the area of the shaded parts in each model] is the same.	Multipart	3.NF.1

Math: Grade 3			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
30	**Part A** Equation Editor Area: 12 x 8 = 96 square inches Label size: 1 x 1 = 1 square inches # of labels = area / Label size # of labels = 96 sq in / 1 sq in = 96 labels **Part B** Equation Editor # of labels = 96 # of labels per package = 6 To find # of packages of labels needed: # of labels / # of labels per package = 96 / 6 = 16	Multipart/Constructed Response	3.MD.7a/7b

Grade 3 Constructed Response Scoring Rubric

Math Grade 3 Practice Test Answer Key – TTS

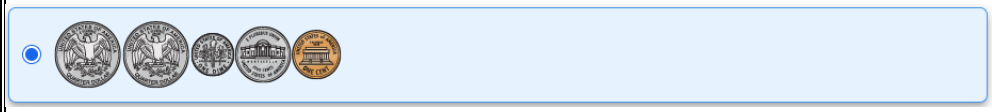
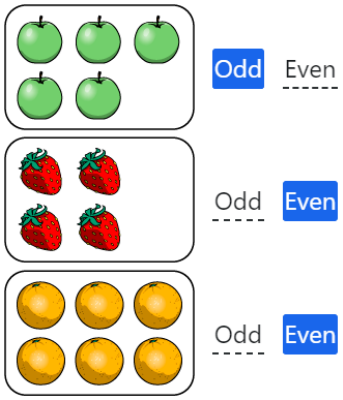
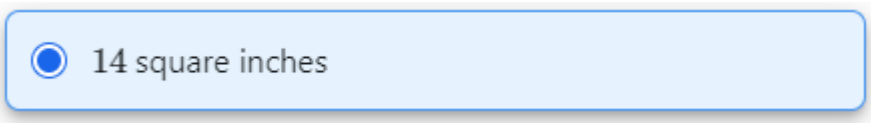
AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

Math: Grade 3 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ $63 \div 7$	Multiple-Choice Single-Select	3.OA.2/3/4
2	17 ¢	Drag and Drop\Click and Pop	2.MD.C.8
3		Table	3.G.1
4	6 days	Numeric Entry	3.OA.8

Math: Grade 3 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
5	<table><tr><th>Line Segment</th><th>Length (inches)</th></tr><tr><td>X</td><td>$3\frac{3}{4}$</td></tr><tr><td>Y</td><td>4</td></tr><tr><td>Z</td><td>$2\frac{3}{4}$</td></tr></table>	Drag and Drop\Click and Pop	3.MD.4
6	10 pounds of nuts	Numeric Entry	3.OA.1/3/4
7	98 degrees	Numeric Entry	4.MD.C.6
8	405	Numeric Entry	3.NBT.2
9	◉ $\frac{2}{3} > \frac{2}{4}$	Multiple-Choice Single-Select	3.NF.3d

Math: Grade 3 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
10	☐ Four right angles ☑ Exactly four sides ☐ Angles of different sizes ☑ Pairs of opposite sides with the same length	Multiple-Choice Multiple-Select	3.G.1
11	◉ $\Diamond \times \bigstar = 35$	Multiple-Choice Single-Select	3.OA.5/6
12	◉ eat breakfast	Multiple-Choice Single-Select	2.MD.C.7
13	◉ 3	Multiple-Choice Single-Select	3.MD.3
14	10 pencils	Numeric Entry	3.OA.2/3/4
15	108 square feet	Numeric Entry	3.MD.7c/7d
16	◉ $6 \times (4 + 3)$	Multiple-Choice Single-Select	3.OA.5/6

Math: Grade 3 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
17	9 : 21	Numeric Entry	3.MD.1
18	◉	Multiple-Choice Single-Select	3.G.2
19	☐ The length is 4 feet, and the width is 6 feet. ☑ The length is 7 feet, and the width is 5 feet. ☐ The length is 8 feet, and the width is 3 feet. ☑ The length is 9 feet, and the width is 3 feet.	Multiple-Choice Multiple-Select	3.MD.8
20	◉ 432	Multiple-Choice Single-Select	2.NBT.A.1
21	$8 \times \boxed{6} = 48$ $\boxed{7} = 21 \div 3$ $45 \div 9 = \boxed{5}$	Numeric Entry	3.OA.7
22	◉ The fraction $\frac{2}{3}$ can be represented by 1 whole that is partitioned into 3 equal parts, of which 2 parts are shaded.	Multiple-Choice Single-Select	3.NF.1

Math: Grade 3 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
23		Multiple-Choice Single-Select	2.MD.C.8
24		Select Text	2.OA.C.3
25		Multiple-Choice Single-Select	3.MD.5a/5b/6

Math: Grade 3 - TTS

Item Number	Correct Answer	Item Type	Item Alignment
26	<table><tr><th>Equation</th><th>True</th><th>False</th></tr><tr><td>$60 \times 4 = 240$</td><td>●</td><td>○</td></tr><tr><td>$5 \times 80 = 400$</td><td>●</td><td>○</td></tr><tr><td>$3 \times 40 = 700$</td><td>○</td><td>●</td></tr><tr><td>$9 \times 80 = 170$</td><td>○</td><td>●</td></tr></table>	Table	3.NBT.3
27	▲ = 6 × 12 ▲ = 12 × 6	Drag and Drop\Click and Pop	3.OA.1/3/4
28	**Part A** Equation Editor Area: 12 x 8 = 96 square inches Label size: 1 x 1 = 1 square inches # of labels = area / Label size # of labels = 96 sq in / 1 sq in = 96 labels **Part B**	Multipart/Constructed Response	3.MD.7a/7b

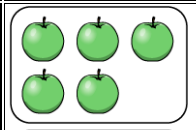
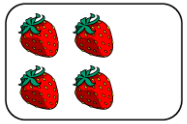
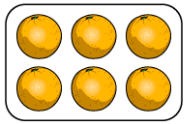
Math: Grade 3 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Equation Editor # of labels = 96 # of labels per package = 6 To find # of packages of labels needed: # of labels / # of labels per package = 96 / 6 = 16		

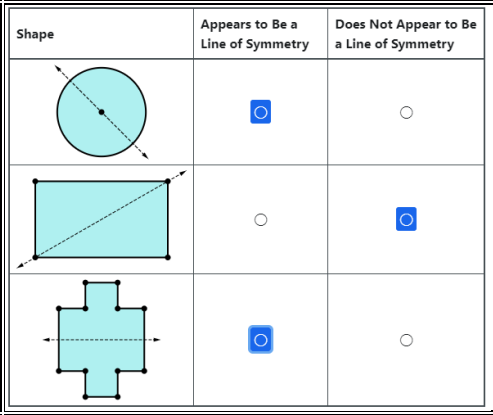
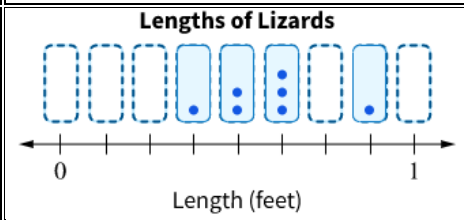
Grade 3 Constructed Response Scoring Rubric

Math Grade 4 Practice Test Answer Key

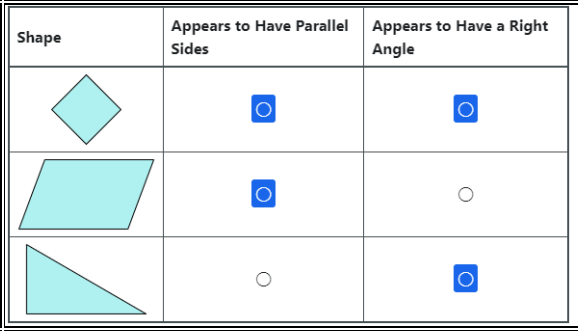
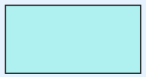
AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

Math: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	☑ 7 ☐ 9 ☑ 13 ☑ 23	Multiple-Choice Multiple-Select	4.OA.4
2	4683 seats	Numeric Entry	4.NBT.4
3	◉ $\frac{6}{12} = \frac{4}{8}$	Multiple-Choice Single-Select	4.NF.1
4	Triangle XYZ is an obtuse triangle.	Drop-Down	4.G.2
5	◉	Multiple-Choice Single-Select	2.MD.C.8
6	◉ $24 \times 3 + j = 80$	Multiple-Choice Single-Select	4.OA.3

Math: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
7	17 ¢	Drag and Drop\Click and Pop	2.MD.C.8
8	◉ $0.06 < 0.10$	Multiple-Choice Single-Select	4.NF.7
9	 **Odd** Even  Odd **Even**  Odd **Even**	Select Text	2.OA.C.3
10	20 + 6 10 + 8 200 60 160 48 $26 \times 18 =$ 468	Drag and Drop\Click and Pop	4.NBT.5

Math: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
11		Table	4.G.3
12	◉ $32°$	Multiple-Choice Single-Select	4.MD.6
13	◉ $\frac{4}{8} < \frac{3}{5}$	Multiple-Choice Single-Select	4.NF.2
14		Drag and Drop\Click and Pop	4.MD.4
15	◉ 432	Multiple-Choice Single-Select	2.NBT.A.1

Math: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
16	◉ $(1{,}400 \div 7) + (35 \div 7)$	Multiple-Choice Single-Select	4.NBT.6
17	98 degrees	Numeric Entry	4.MD.C.6
18	2.05	Numeric Entry	4.NF.6
19	3, 10, 17, 24	Numeric Entry	4.OA.5
20	☑ $\frac{1}{12} + \frac{7}{12}$ ☐ $\frac{3}{4} + \frac{3}{4} + \frac{2}{4}$ ☑ $\frac{3}{12} + \frac{3}{12} + \frac{2}{12}$	Multiple-Choice Multiple-Select	4.NF.3a/3b
21	60000 meters	Numeric Entry	4.MD.1

Math: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
22		Table	4.G.2
23	◉ 40×12	Multiple-Choice Single-Select	4.MD.3
24	◉ $\frac{15}{4}$	Multiple-Choice Single-Select	4.NF.4a/4b/4c
25	4000 grams	Numeric Entry	4.MD.2
26	800000	Numeric Entry	4.NBT.1/2/3
27	All angles are formed by two rays that share a common endpoint	Drop-Down	4.MD.5a/5b
28	◉ 	Multiple-Choice Single-Select	4.G.3

Math: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
29	◉ eat breakfast	Multiple-Choice Single-Select	2.MD.C.7
30	**Part A** The 8 in 8,439 represents a value of 8,000, while the 2 in 23,857 represents a value of 20,000. **Part B** ◉ 746 and 512 **Part C**	Multipart/Constructed Response	4.NBT.1/2/3

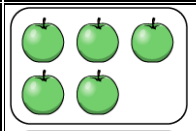
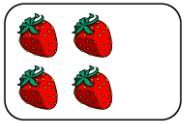
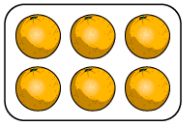
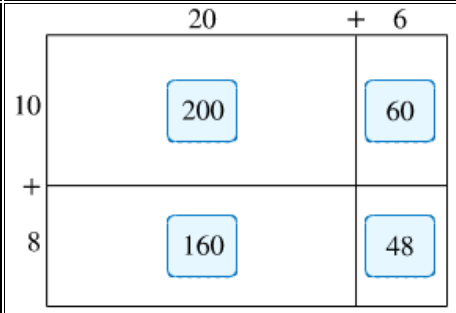
Math: Grade 4			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Equation Editor Joni's strategy results in a correct comparison for the numbers 746 and 512, because the first digit in each number is in the hundred's place. Therefore, Joni is actually comparing 700 and 500, and 700 is greater than 500, so 736 is greater than 512. Joni's strategy does not result in a correct comparison for the numbers Mr Fluitt asked the class to compare, because the first digit in each number is in a different place value. Joni would actually be comparing 8,000 to 20,000, and 20,000 is greater than 8,000. Therefore, 23,857 is greater than 8,439.		

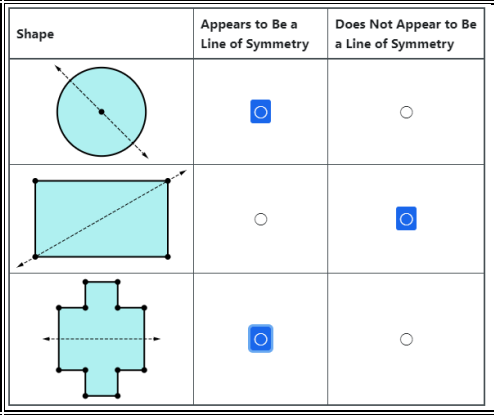
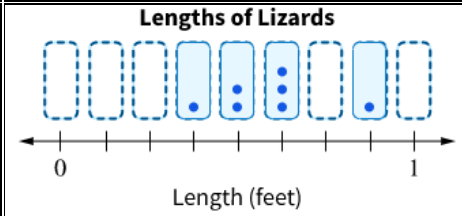
Grade 4 Constructed Response Scoring Rubric

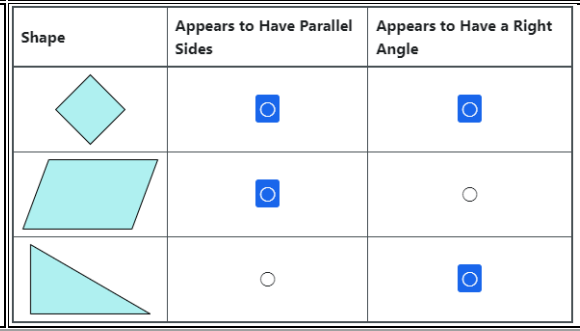
Math Grade 4 Practice Test Answer Key – TTS

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

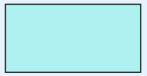
Math: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	☑ 7 ☐ 9 ☑ 13 ☑ 23	Multiple-Choice Multiple-Select	4.OA.4
2	4683 seats	Numeric Entry	4.NBT.4
3	◉ $\frac{6}{12} = \frac{4}{8}$	Multiple-Choice Single-Select	4.NF.1ii
4	◉	Multiple-Choice Single-Select	2.MD.C.8
5	◉ $24 \times 3 + j = 80$	Multiple-Choice Single-Select	4.OA.3

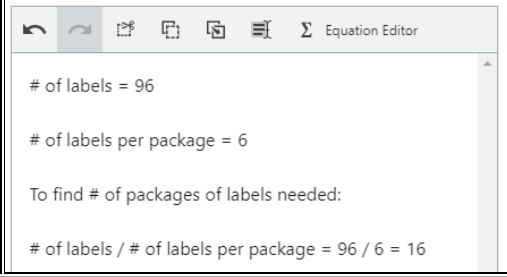
Math: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
6	17 ¢	Drag and Drop\Click and Pop	2.MD.C.8
7	◉ 0.06 < 0.10	Multiple-Choice Single-Select	4.NF.7
8	 **Odd** Even  Odd **Even**  Odd **Even**	Select Text	2.OA.C.3
9	 26 × 18 = 468	Drag and Drop\Click and Pop	4.NBT.5

Math: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
10		Table	4.G.3
11	◉ 32°	Multiple-Choice Single-Select	4.MD.6
12	◉ $\frac{4}{8} < \frac{3}{5}$	Multiple-Choice Single-Select	4.NF.2
13		Drag and Drop\Click and Pop	4.MD.4
14	◉ 432	Multiple-Choice Single-Select	2.NBT.A.1

Math: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
15	◉ $(1{,}400 \div 7) + (35 \div 7)$	Multiple-Choice Single-Select	4.NBT.6
16	98 degrees	Numeric Entry	4.MD.C.6
17	2.05	Numeric Entry	4.NF.6
18	3, 10, 17, 24	Numeric Entry	4.OA.5
19	☑ $\frac{1}{12} + \frac{7}{12}$ ☐ $\frac{3}{4} + \frac{3}{4} + \frac{2}{4}$ ☑ $\frac{3}{12} + \frac{3}{12} + \frac{2}{12}$	Multiple-Choice Multiple-Select	4.NF.3a/3b
20	60000 meters	Numeric Entry	4.MD.1
21		Table	4.G.2

Shape	Appears to Have Parallel Sides	Appears to Have a Right Angle
	☑	☑
	☑	○
	○	☑

Math: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
22	◉ 40×12	Multiple-Choice Single-Select	4.MD.3
23	◉ $\frac{15}{4}$	Multiple-Choice Single-Select	4.NF.4a/4b/4c
24	4000 grams	Numeric Entry	4.MD.2
25	800000	Numeric Entry	4.NBT.1/2/3
26	◉ 	Multiple-Choice Single-Select	4.G.3
27	◉ eat breakfast	Multiple-Choice Single-Select	2.MD.C.7
28	**Part A** Equation Editor Area: 12 x 8 = 96 square inches Label size: 1 x 1 = 1 square inches # of labels = area / Label size # of labels = 96 sq in / 1 sq in = 96 labels	Multipart/Constructed Response	3.MD.7a/7b

Math: Grade 4 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Part B  		

Grade 4 Constructed Response Scoring Rubric

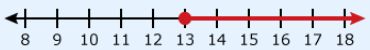
Math Grade 5 Practice Test Answer Key

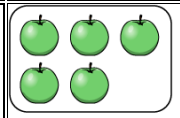
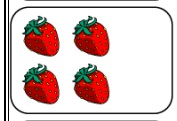
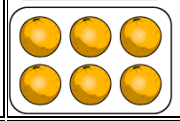
AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

Math: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	$2\frac{1}{2}$	Multiple-Choice Single-Select	5.NF.3
2	432 cubic feet	Multiple-Choice Single-Select	5.MD.5
3	98 degrees	Numeric Entry	4.MD.C.6
4	18.75 square feet	Multiple-Choice Single-Select	5.NBT.7
5	Each term in pattern H is 6 more than the corresponding term in pattern G.	Drop-Down	5.OA.3
6	15 gallons	Multiple-Choice Single-Select	5.MD.1
7	17	Numeric Entry	5.OA.1/2

Math: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
8	Quotient: 161 Remainder: 15	Numeric Entry	5.NBT.6
9	◉ 6. 40 cm	Multiple-Choice Single-Select	6.G.A.1
10	**Statement** / **Truthfulness** At least one student is 23. — Must be true / **Could be true** / Cannot be true Some students are younger than 15. — Must be true / **Could be true** / Cannot be true	Select Text	6.SP.A.3
11	◉ 45 cubic units	Multiple-Choice Single-Select	5.MD.3/4
12	☑ $x = -3$ ☐ $x = 1$ ☑ $x = -4$	Multiple-Choice Multiple-Select	6.EE.B.5
13	18500 grams	Numeric Entry	5.MD.1

Math: Grade 5

Item Number	Correct Answer	Item Type	Item Alignment
14	◉ eat breakfast	Multiple-Choice Single-Select	2.MD.C.7
15	0.85	Numeric Entry	5.NBT.7
16	**Part A** ◉ $d \geq 13$ **Part B** ◉ 	Multipart	6.EE.B.8
17	**Statement** / **True** / **False** Volumes of prisms can be expressed in square units. / ○ / ◉ A prism made from 10 unit cubes has a volume of 10 cubic units. / ◉ / ○	Table	5.MD.3/4
18	◉ All rectangles are quadrilaterals. All quadrilaterals have 4 sides. Thus, all rectangles have 4 sides.	Multiple-Choice Single-Select	5.G.3/4
19	◉ 22,655	Multiple-Choice Single-Select	5.NBT.5

Math: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
20	 **Odd** Even  Odd **Even**  Odd **Even**	Select Text	2.OA.C.3
21	5 more than the product of 7 and 8: $5+7\times 8$ 8 more than the product of 5 and 7: $5\times 7+8$ 5 times the sum of 7 and 8: $5\times(7+8)$ 8 times the sum of 5 and 7: $(5+7)\times 8$	Drag and Drop\Click and Pop	5.OA.1/2
22	3127	Numeric Entry	5.NBT.1/2/3/4
23	**Statement** / **True** / **False** The total number of jars is 7. / ○ / **○** If all of the sand is equally redistributed among the jars, each jar would contain $\frac{4}{8}$ cup. / **○** / ○ The difference between the amount of sand in the jar that contains the most sand and the amount in the jar that contains the least sand is $\frac{5}{8}$ cup. / ○ / **○**	Table	5.MD.2

Math: Grade 5

Item Number	Correct Answer	Item Type	Item Alignment
24	◉ 432	Multiple-Choice Single-Select	2.NBT.A.1
25	There is $\frac{1}{5}$ package of paper to be shared evenly among 4 teachers. What fraction of the whole package will each teacher get? → $\frac{1}{5} \div 4$ A teacher will place paper from 4 packages into stacks. Each stack will be $\frac{1}{5}$ of a whole package. How many stacks will there be? → $4 \div \frac{1}{5}$	Drag and Drop\Click and Pop	5.NF.7
26	◉ 24	Multiple-Choice Single-Select	5.NBT.6
27	305 cubic centimeters	Numeric Entry	5.MD.5
28	**Statement** / **Correct** / **Incorrect** $(8 \times 10) + \left(6 \times \frac{1}{100}\right) + \left(5 \times \frac{1}{1{,}000}\right) < 80.65$ — ◉ Correct, ○ Incorrect $(7 \times 1) + \left(4 \times \frac{1}{10}\right) + \left(6 \times \frac{1}{1{,}000}\right) = 7.46$ — ○ Correct, ◉ Incorrect Two and twenty-nine hundredths < 2.3 — ◉ Correct, ○ Incorrect Three and seven hundredths $= 3.07$ — ◉ Correct, ○ Incorrect	Table	5.NBT.1/2/3/4
29	**Part A** ◉ $n = \frac{1}{2}$, because $\frac{1}{2} \times 5 = \frac{5}{2}$ and $\frac{5}{2} < 5$. **Part B**	Multipart	5.NF.4/5/6

Math: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Step One: Ted's claim is incorrect because when a number x is multiplied by a fraction less than 1, then the product is [less than] x. Step Two: When the value of $n \times 5$ is greater than or equal to 5, n is [greater than or equal to 1].		
30	Equation Editor Since [$36 \div 6 = 6$], then 6 small boxes can fit along the width and length of the carton. For the first layer, a total of [$6 \times 6 = 36$] small boxes can be used to fill the first layer.	Constructed Response	5.MD.5

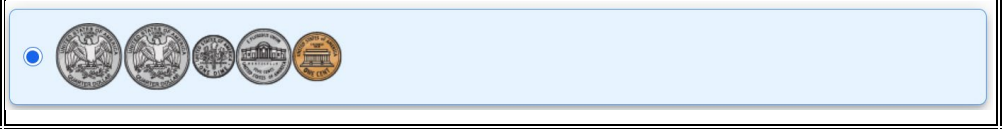
Math: Grade 5			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Since $36 \div 4 = 9$, 9 layers of the small boxes can fit into the carton. 9 layers of 36 boxes is $9 \times 36 = 324$, giving 324 total boxes in one large carton. Given 972 small boxes, and 324 can go into 1 large carton, $972 \div 324 = 3$, so Martin needs 3 large cartons to ship the 972 small boxes. Characters: 330 of 10000		

Grade 5 Constructed Response Scoring Rubric

Math Grade 5 Practice Test Answer Key – TTS

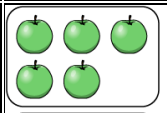
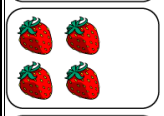
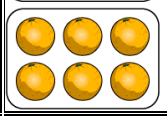
AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

Math: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	$2\frac{1}{2}$	Multiple-Choice Single-Select	5.NF.3
2	432 cubic feet	Multiple-Choice Single-Select	5.MD.5
3	98 degrees	Numeric Entry	4.MD.C.6
4	18.75 square feet	Multiple-Choice Single-Select	5.NBT.7
5	15 gallons	Multiple-Choice Single-Select	5.MD.1
6	17	Numeric Entry	5.OA.1/2

Math: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
7	Quotient: 161 Remainder: 15	Numeric Entry	5.NBT.6
8		Multiple-Choice Single-Select	2.MD.C.8
9	**Statement** / **Truthfulness** At least one student is 23. — Must be true / **Could be true** / Cannot be true Some students are younger than 15. — Must be true / **Could be true** / Cannot be true	Select Text	6.SP.A.3
10	45 cubic units	Multiple-Choice Single-Select	5.MD.3/4
11	[x] $x = -3$ [ ] $x = 1$ [x] $x = -4$	Multiple-Choice Multiple-Select	6.EE.B.5
12	18500 grams	Numeric Entry	5.MD.1

Math: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
13	◉ eat breakfast	Multiple-Choice Single-Select	2.MD.C.7
14	0.85	Numeric Entry	5.NBT.7
15	**Part A** ◉ $d \geq 13$ **Part B** ◉	Multipart	6.EE.B.8
16	**Statement** / **True** / **False** Volumes of prisms can be expressed in square units. / ○ / ◉ A prism made from 10 unit cubes has a volume of 10 cubic units. / ◉ / ○	Table	5.MD.3/4
17	◉ All rectangles are quadrilaterals. All quadrilaterals have 4 sides. Thus, all rectangles have 4 sides.	Multiple-Choice Single-Select	5.G.3/4
18	◉ 22,655	Multiple-Choice Single-Select	5.NBT.5

Math: Grade 5 - TTS

Item Number	Correct Answer	Item Type	Item Alignment
19	 **Odd** Even  Odd **Even**  Odd **Even**	Select Text	2.OA.C.3
20	5 more than the product of 7 and 8 — $5 + 7 \times 8$ 8 more than the product of 5 and 7 — $5 \times 7 + 8$ 5 times the sum of 7 and 8 — $5 \times (7 + 8)$ 8 times the sum of 5 and 7 — $(5 + 7) \times 8$	Drag and Drop\Click and Pop	5.OA.1/2
21	3127	Numeric Entry	5.NBT.1/2/3/4
22	**Statement** / **True** / **False** The total number of jars is 7. — ○ / **○** If all of the sand is equally redistributed among the jars, each jar would contain $\frac{4}{8}$ cup. — **○** / ○ The difference between the amount of sand in the jar that contains the most sand and the amount in the jar that contains the least sand is $\frac{5}{8}$ cup. — ○ / **○**	Table	5.MD.2

Math: Grade 5 - TTS

Item Number	Correct Answer	Item Type	Item Alignment
23	◉ 432	Multiple-Choice Single-Select	2.NBT.A.1
24	There is $\frac{1}{5}$ package of paper to be shared evenly among 4 teachers. What fraction of the whole package will each teacher get? → $\frac{1}{5} \div 4$ A teacher will place paper from 4 packages into stacks. Each stack will be $\frac{1}{5}$ of a whole package. How many stacks will there be? → $4 \div \frac{1}{5}$	Drag and Drop\Click and Pop	5.NF.7
25	◉ 24	Multiple-Choice Single-Select	5.NBT.6
26	305 cubic centimeters	Numeric Entry	5.MD.5
27		Table	5.NBT.1/2/3/4

Statement	Correct	Incorrect
$(8 \times 10) + \left(6 \times \frac{1}{100}\right) + \left(5 \times \frac{1}{1{,}000}\right) < 80.65$	◉	○
$(7 \times 1) + \left(4 \times \frac{1}{10}\right) + \left(6 \times \frac{1}{1{,}000}\right) = 7.46$	○	◉
Two and twenty-nine hundredths < 2.3	◉	○
Three and seven hundredths $= 3.07$	◉	○

Math: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
28	Equation Editor Since $36 \div 6 = 6$, then 6 small boxes can fit along the width and length of the carton. For the first layer, a total of $6 \times 6 = 36$ small boxes can be used to fill the first layer. Since $36 \div 4 = 9$, 9 layers of the small boxes can fit into the carton. 9 layers of 36 boxes is $9 \times 36 = 324$, giving 324 total boxes in one large carton.	Constructed Response	5.MD.5

Math: Grade 5 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Given 972 small boxes, and 324 can go into 1 large carton, $972 \div 324 = 3$, so Martin needs 3 large cartons to ship the 972 small boxes. Characters: 330 of 10000		

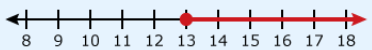
Grade 5 Constructed Response Scoring Rubric

Math Grade 6 Practice Test Answer Key

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

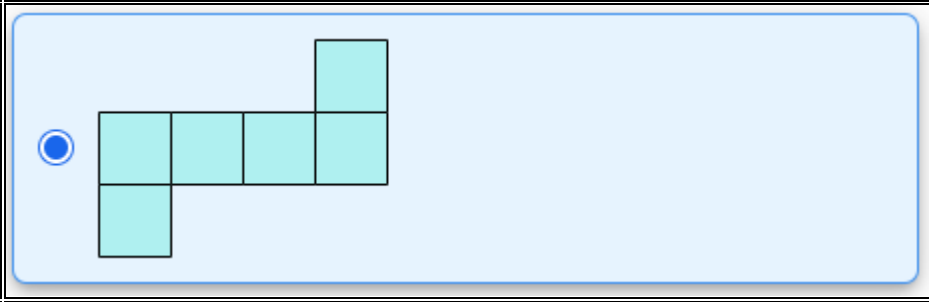
Math: Grade 6

Item Number	Correct Answer	Item Type	Item Alignment
1	◉ 77.6	Multiple-Choice Single-Select	6.NS.2/3
2	98 degrees	Numeric Entry	4.MD.C.6
3	9	Numeric Entry	6.EE.1
4	**Statement** / **Truthfulness** At least one student is 23. — Must be true / **Could be true** / Cannot be true Some students are younger than 15. — Must be true / **Could be true** / Cannot be true	Select Text	6.SP.A.3
5	**Equivalent to** $6\frac{3}{4} \div \frac{9}{10}$ / **Not Equivalent to** $6\frac{3}{4} \div \frac{9}{10}$ $6\frac{3}{4} \div 9 \div 10$ — ○ / ◉ $\frac{24+3}{4} \cdot \frac{10}{9}$ — ◉ / ○	Table	6.NS.1
6	24 balloon arrangements	Numeric Entry	6.NS.4

Math: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
7	$ 41.95	Numeric Entry	6.NS.2/3
8	1 to 4	Multiple-Choice Single-Select	6.RP.1/2
9	$3y - 1$	Multiple-Choice Single-Select	6.EE.2
10	**Part A** $d \geq 13$ **Part B** 	Multipart	6.EE.B.8
11	24 m	Multiple-Choice Single-Select	7.G.B.4
12	9	Multiple-Choice Single-Select	6.RP.3

Math: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
13	☐ 5 ☐ 6 ☑ 10 ☑ 11	Multiple-Choice Multiple-Select	6.EE.5
14	◉ 6. 40 cm	Multiple-Choice Single-Select	6.G.A.1
15	Alexei learns how to spell 25 words per hour. At this rate, he will learn how to spell 500 words in 20 hours.	Drop-Down	6.RP.3
16	w $-$ 3	Drag and Drop\Click and Pop	6.EE.6
17	◉ 18	Multiple-Choice Single-Select	6.G.1

Math: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
18	☑ 6 white marbles and 9 red marbles ☐ 12 white marbles and 13 red marbles ☑ 14 white marbles and 21 red marbles ☑ 22 white marbles and 33 red marbles	Multiple-Choice Multiple-Select	6.RP.1/2
19	1125 dollars	Numeric Entry	6.EE.7
20	◉ What is today's date?	Multiple-Choice Single-Select	6.SP.1/2/3
21	☑ $x = -3$ ☐ $x = 1$ ☑ $x = -4$	Multiple-Choice Multiple-Select	6.EE.B.5
22	125 refrigerators	Numeric Entry	6.RP.3

Math: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
23		Multiple-Choice Single-Select	6.G.4
24	The graph will be a ray that starts at 15 and points to the left. The graph will include th endpoint of the ray.	Drop-Down	6.EE.8
25	30 miles per gallon	Numeric Entry	6.RP.1/2
26	30 m^2	Numeric Entry	6.G.A.1
27	6	Numeric Entry	6.SP.5
28	$3(12n+p)-n$	Multiple-Choice Single-Select	6.EE.3/4

Math: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
29	**Part A** **Least expensive** — Store K Store M Store L **Most expensive** — Store J **Part B** 1200 dollars **Part C**	Multipart	6.RP.3

Math: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Equation Editor The claim is not valid. There is enough information provided to determine the length and width of each rectangle, as well as the base and height of both triangles. The area for each base of the prism is $\frac{1}{2}(b)(h) = \frac{1}{2}(6)(4) = 12$ square inches. The area for the 3 rectangles is		
30	**Part A** $\left(5 \times 7\frac{1}{2}\right) + \left(5 \times 7\frac{1}{2}\right) + \left(6 \times 7\frac{1}{2}\right) = 120$ square inches. The total surface area then becomes $2 \times 12 + 120 = 144$ square inches. Characters: 263 of 10000 **Part B**	Multipart	6.G.4

Math: Grade 6			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Equation Editor Sophia's claim is not valid, by only doubling the length of the 7.5 inch edges, she will only be doubling the area of the rectangles. The area of the triangles will stay the same and will not be doubled. The area of each shape should be doubled for the entire surface area to be doubled. Surface area after doubling the 7.5 inch edges = $\frac{1}{2}(6)(4)+\frac{1}{2}(6)(4)+15(5+6+5)=264$ square inches. The total amount the surface area increases = $264-144=120$ square inches. Characters: 339 of 10000		

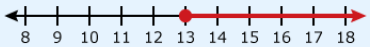
[Grade 6 Constructed Response Scoring Rubric]

Math Grade 6 Practice Test Answer Key – TTS

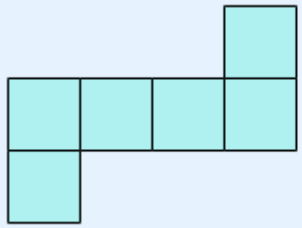
AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

Math: Grade 6 - TTS

Item Number	Correct Answer	Item Type	Item Alignment
1	◉ 77.6	Multiple-Choice Single-Select	6.NS.2/3
2	98 degrees	Numeric Entry	4.MD.C.6
3	9	Numeric Entry	6.EE.1
4	**Statement** / **Truthfulness** At least one student is 23. — Must be true / **Could be true** / Cannot be true Some students are younger than 15. — Must be true / **Could be true** / Cannot be true	Select Text	6.SP.A.3
5	**Equivalent to** $6\frac{3}{4} \div \frac{9}{10}$ / **Not Equivalent to** $6\frac{3}{4} \div \frac{9}{10}$ $6\frac{3}{4} \div 9 \div 10$ — ○ / ◉ $\frac{24+3}{4} \cdot \frac{10}{9}$ — ◉ / ○	Table	6.NS.1
6	24 balloon arrangements	Numeric Entry	6.NS.4

Math: Grade 6 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
7	$ 41.95	Numeric Entry	6.NS.2/3
8	1 to 4	Multiple-Choice Single-Select	6.RP.1/2
9	$3y - 1$	Multiple-Choice Single-Select	6.EE.2
10	**Part A** $d \geq 13$ **Part B** 	Multipart	6.EE.B.8
11	24 m	Multiple-Choice Single-Select	7.G.B.4
12	9	Multiple-Choice Single-Select	6.RP.3

Math: Grade 6 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
13	☐ 5 ☐ 6 ☑ 10 ☑ 11	Multiple-Choice Multiple-Select	6.EE.5
14	◉ 6. 40 cm	Multiple-Choice Single-Select	6.G.A.1
15	w $-$ 3	Drag and Drop\Click and Pop	6.EE.6
16	◉ 18	Multiple-Choice Single-Select	6.G.1
17	☑ 6 white marbles and 9 red marbles ☐ 12 white marbles and 13 red marbles ☑ 14 white marbles and 21 red marbles ☑ 22 white marbles and 33 red marbles	Multiple-Choice Multiple-Select	6.RP.1/2

Math: Grade 6 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
18	1125 dollars	Numeric Entry	6.EE.7
19	What is today's date?	Multiple-Choice Single-Select	6.SP.1/2/3
20	☑ $x = -3$ ☐ $x = 1$ ☑ $x = -4$	Multiple-Choice Multiple-Select	6.EE.B.5
21	125 refrigerators	Numeric Entry	6.RP.3
22		Multiple-Choice Single-Select	6.G.4
23	30 miles per gallon	Numeric Entry	6.RP.1/2
24	30 m^2	Numeric Entry	6.G.A.1

Math: Grade 6 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
25	6	Numeric Entry	6.SP.5
26	◉ $3(12n+p)-n$	Multiple-Choice Single-Select	6.EE.3/4
27	**Part A** **Least expensive**: Store K Store M Store L **Most expensive**: Store J **Part B** 1200 dollars **Part C**	Multipart	6.RP.3

Math: Grade 6 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Equation Editor The claim is not valid. There is enough information provided to determine the length and width of each rectangle, as well as the base and height of both triangles. The area for each base of the prism is $\frac{1}{2}(b)(h) = \frac{1}{2}(6)(4) = 12$ square inches. The area for the 3 rectangles is		
28	**Part A** $\left(5 \times 7\frac{1}{2}\right) + \left(5 \times 7\frac{1}{2}\right) + \left(6 \times 7\frac{1}{2}\right) = 120$ square inches. The total surface area then becomes $2 \times 12 + 120 = 144$ square inches. Characters: 263 of 10000 **Part B**	Multipart	6.G.4

Math: Grade 6 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Equation Editor Sophia's claim is not valid, by only doubling the length of the 7.5 inch edges, she will only be doubling the area of the rectangles. The area of the triangles will stay the same and will not be doubled. The area of each shape should be doubled for the entire surface area to be doubled. Surface area after doubling the 7.5 inch edges = $\frac{1}{2}(6)(4)+\frac{1}{2}(6)(4)+15(5+6+5)=264$ square inches. The total amount the surface area increases = $264-144=120$ square inches. Characters: 339 of 10000		

[Grade 6 Constructed Response Scoring Rubric]

Math Grade 7 Practice Test Answer Key

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

Math: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ $-3.5 + 2.5$	Multiple-Choice Single-Select	7.NS.1a/1b/1c/1d
2	◉ 24 m	Multiple-Choice Single-Select	7.G.B.4
3	◉ 28 hours	Multiple-Choice Single-Select	7.NS.3
4	☑ $1.15p$ ☐ $\frac{15}{100}p$ ☐ $p + 15$ ☑ $p + 0.15p$	Multiple-Choice Multiple-Select	7.EE.1/2

Math: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
5	☑ $x = -3$ ☐ $x = 1$ ☑ $x = -4$	Multiple-Choice Multiple-Select	6.EE.B.5
6	40 copies per minute	Numeric Entry	7.RP.1
7	98 degrees	Numeric Entry	4.MD.C.6
8	◉ 20,000	Multiple-Choice Single-Select	7.SP.1/2
9	90 people	Numeric Entry	7.EE.3
10	Manuel's scores tended to be less than Akira's scores. Manuel's scores displayed more variability compared to Akira's scores.	Drop-Down	7.SP.3/4
11	**Part A** ◉ $d \geq 13$ **Part B**	Multipart	6.EE.B.8

Math: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
12	$y = 0.5x$		
13	18		
14	**Unlikely**: Event L **Neither likely nor unlikely**: Event J **Likely**: Event K		
15	16π		
16	300		
17	30 m^2		

Math: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
18	7 square centimeters	Numeric Entry	7.EE.4
19	◉ Both the group of men and the group of women	Multiple-Choice Single-Select	7.SP.7
20	◉ 56	Multiple-Choice Single-Select	7.G.6
21	**Statement** / **Truthfulness** At least one student is 23. — Must be true / **Could be true** / Cannot be true Some students are younger than 15. — Must be true / **Could be true** / Cannot be true	Select Text	6.SP.A.3
22	100 square feet per hour	Numeric Entry	7.RP.3
23	☑ $w + x = 90$ ☐ $w + y = 110$ ☐ $x + y = 90$ ☑ $y - w = 90$ ☑ $w + x + y = 200$	Multiple-Choice Multiple-Select	7.G.5
24	$\boxed{28}\ w + \boxed{26}$	Drag and Drop\Click and Pop	7.EE.1/2

Math: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
25	◉ $85.68	Multiple-Choice Single-Select	7.RP.3
26	-1 , 0.05 , 0.1 , $\frac{2}{3}$, $\left\lvert\frac{8}{7}\right\rvert$	Drag and Drop\Click and Pop	6.NS.C.7
27	◉ 16	Multiple-Choice Single-Select	7.EE.3
28	Table J: ○ Proportional, ◉ Not Proportional Table K: ◉ Proportional, ○ Not Proportional Table L: ◉ Proportional, ○ Not Proportional	Table	7.RP.2a/2b/2c/2d
29	**Part A** 875 students **Part B** The enrollment in the third year can be represented by the product of 625 and $(1.12 \cdot 1.25)$. **Part C**	Multipart	7.EE.3

Math: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Based on the enrollment, the school district [will] build a new school because the enrollment at the existing school increased by [more] than from the first year to the third year.		
30	**Part A** Equation Editor Morgan's claim is not correct. The area of her old bedroom is equal to $12 \times 12 = 144$ square feet. Based on the scale drawing, her new bedrooom has a length of $7in \times \frac{2ft}{1in} = 14$ feet. The width of her new bedroom is $4.5in \times \frac{2ft}{1in} = 9$ feet. That gives a total area of $14 \times 9 = 126$ square feet for the new room. So the new room is smaller than her old room. Characters: 236 of 10000	Multipart	7.G.1

Math: Grade 7			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Part B Equation Editor Morgan's claim is not correct. The length of the wall with the window is $4.5in \times \frac{2ft}{1in} = 9$ feet. The total distance from the head of the bed to the back of the desk is $81 + 34 = 115$ inches. Converting this to feet, the length becomes $115in \times \frac{1ft}{12in} = 9\frac{7}{12}$ feet, which is longer than the 9 foot wall, so the bed and desk will not fit. Characters: 227 of 10000		

[Grade 7 Constructed Response Scoring Rubric]

Math Grade 7 Practice Test Answer Key – TTS

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

Math: Grade 7 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ $-3.5 + 2.5$	Multiple-Choice Single-Select	7.NS.1a/1b/1c/1d
2	◉ 24 m	Multiple-Choice Single-Select	7.G.B.4
3	◉ 28 hours	Multiple-Choice Single-Select	7.NS.3
4	☑ $1.15p$ ☐ $\frac{15}{100}p$ ☐ $p + 15$ ☑ $p + 0.15p$	Multiple-Choice Multiple-Select	7.EE.1/2
5	☑ $x = -3$ ☐ $x = 1$ ☑ $x = -4$	Multiple-Choice Multiple-Select	6.EE.B.5

Math: Grade 7 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
6	40 copies per minute	Numeric Entry	7.RP.1
7	98 degrees	Numeric Entry	4.MD.C.6
8	20,000	Multiple-Choice Single-Select	7.SP.1/2
9	90 people	Numeric Entry	7.EE.3
10	**Part A** $d \geq 13$ **Part B** 	Multipart	6.EE.B.8
11	$y = 0.5x$	Multiple-Choice Single-Select	7.RP.2a/2b/2c/2d
12	18	Multiple-Choice Single-Select	7.EE.4

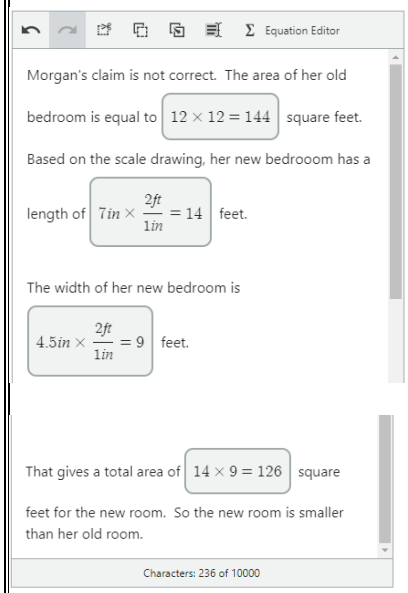
Math: Grade 7 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
13	**Unlikely**: Event L **Neither likely nor unlikely**: Event J **Likely**: Event K	Drag and Drop\Click and Pop	7.SP.5
14	16π	Multiple-Choice Single-Select	7.G.4
15	300	Multiple-Choice Single-Select	7.SP.6
16	30 m^2	Numeric Entry	6.G.A.1
17	7 square centimeters	Numeric Entry	7.EE.4
18	Both the group of men and the group of women	Multiple-Choice Single-Select	7.SP.7
19	56	Multiple-Choice Single-Select	7.G.6

Math: Grade 7 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
20	<table><tr><th>Statement</th><th colspan="3">Truthfulness</th></tr><tr><td>At least one student is 23.</td><td>Must be true</td><td>Could be true</td><td>Cannot be true</td></tr><tr><td>Some students are younger than 15.</td><td>Must be true</td><td>Could be true</td><td>Cannot be true</td></tr></table>	Select Text	6.SP.A.3
21	100 square feet per hour	Numeric Entry	7.RP.3
22	☑ $w + x = 90$ ☐ $w + y = 110$ ☐ $x + y = 90$ ☑ $y - w = 90$ ☑ $w + x + y = 200$	Multiple-Choice Multiple-Select	7.G.5
23	$\boxed{28}\ w + \boxed{26}$	Drag and Drop\Click and Pop	7.EE.1/2
24	◉ $85.68	Multiple-Choice Single-Select	7.RP.3
25	-1 , 0.05 , 0.1 , $\frac{2}{3}$, $\left\lvert\frac{8}{7}\right\rvert$	Drag and Drop\Click and Pop	6.NS.C.7
26	◉ 16	Multiple-Choice Single-Select	7.EE.3

Math: Grade 7 - TTS

Item Number	Correct Answer	Item Type	Item Alignment
27		Table	7.RP.2a/2b/2c/2d
28	**Part A**	Multipart	7.G.1

	Proportional	Not Proportional
Table J	○	■
Table K	■	○
Table L	■	○



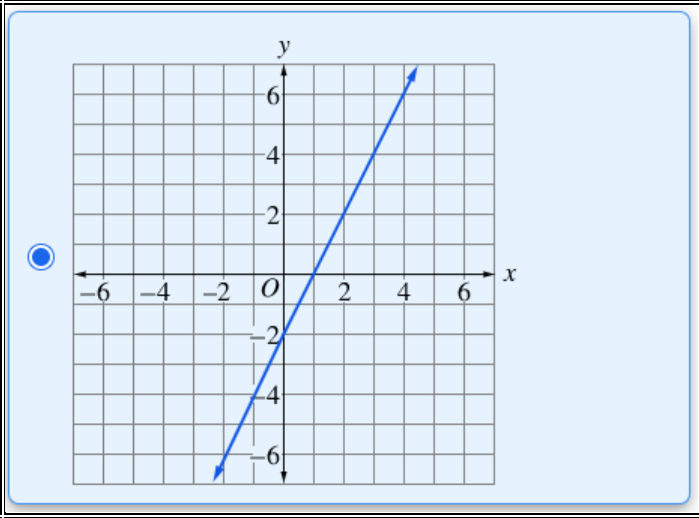
Math: Grade 7 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Part B Equation Editor Morgan's claim is not correct. The length of the wall with the window is $4.5in \times \frac{2ft}{1in} = 9$ feet. The total distance from the head of the bed to the back of the desk is $81 + 34 = 115$ inches. Converting this to feet, the length becomes $115in \times \frac{1ft}{12in} = 9\frac{7}{12}$ feet, which is longer than the 9 foot wall, so the bed and desk will not fit. Characters: 227 of 10000		

[Grade 7 Constructed Response Scoring Rubric]

Math Grade 8 Practice Test Answer Key

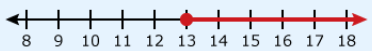
AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

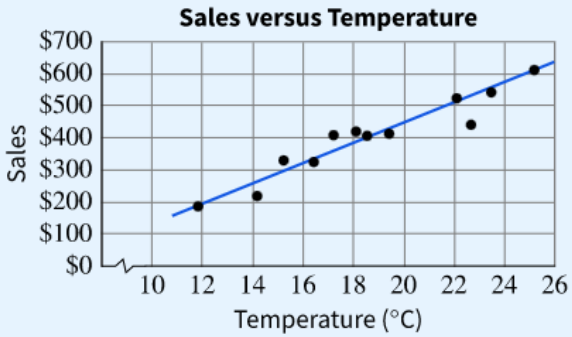
Math: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ $\frac{1}{8}$	Multiple-Choice Single-Select	8.EE.1
2	◉ $\pm\frac{7}{4}$	Multiple-Choice Single-Select	8.EE.2
3	◉ 6. 40 cm	Multiple-Choice Single-Select	6.G.A.1
4	☑ -72 ☑ $\frac{4}{5}$ ☐ $\sqrt{6}$ ☐ $\sqrt{\frac{5}{16}}$ ☑ $\sqrt{100}$	Multiple-Choice Multiple-Select	8.NS.1/2

Math: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
5		Multiple-Choice Single-Select	8.F.3
6	30 m^2	Numeric Entry	6.G.A.1
7		Table	8.EE.7
8	20 degrees	Numeric Entry	8.G.5

	No Solution	Exactly One Solution	Infinitely Many Solutions
$9x + 7 = 8x + 7$	○	◉	○
$8x + 7 = 8x + 7$	○	○	◉
$9x + 5 = 9x + 7$	◉	○	○

Math: Grade 8

Item Number	Correct Answer	Item Type	Item Alignment
9	**Statement** / **Truthfulness** At least one student is 23. — Must be true / **Could be true** / Cannot be true Some students are younger than 15. — Must be true / **Could be true** / Cannot be true	Select Text	6.SP.A.3
10	◉ $y = -\frac{1}{2}x - 2$	Multiple-Choice Single-Select	8.F.2
11	**Part A** ◉ $d \geq 13$ **Part B** ◉ 	Multipart	6.EE.B.8
12	◉ $y = 15x + 300$	Multiple-Choice Single-Select	8.F.4
13	98 degrees	Numeric Entry	4.MD.C.6
14	◉ From P to Q	Multiple-Choice Single-Select	8.F.5

Math: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
15	The total amount raised from selling 40 key chains is [less] than the total amount raised from selling 40 coffee cups by [2] dollars.	Drop-Down	8.EE.5-2
16		Multiple-Choice Single-Select	8.SP.2/3
17	◉ 108π	Multiple-Choice Single-Select	8.G.9
18	☑ $x = -3$ ☐ $x = 1$ ☑ $x = -4$	Multiple-Choice Multiple-Select	6.EE.B.5

Math: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
19	☑ $y-1=\frac{4}{x^2}-\frac{x^2}{4}$ ☐ $5=-2x-3+y$ ☐ $y+2x=5x-5$ ☑ $y=\frac{1}{x}+1$ ☑ $y=x^2-4x+5$	Multiple-Choice Multiple-Select	8.F.3
20	◉ Of all the students, 27% participate in both school sports and community service.	Multiple-Choice Single-Select	8.SP.4
21	(-4 , 3)	Numeric Entry	8.EE.8
22	The slope of the graph of function J is [greater than] the slope of the graph of function K. The y-intercept of the graph of function J is [less than] the y-intercept of the graph of function K.	Drop-Down	8.F.2
23	Step 1: [area of large square] = [area of 4 right triangles] + [area of small square] Step 2: $(a+b)^2 = 4\cdot\frac{1}{2}\cdot ab + c^2$	Drag and Drop\Click and Pop	8.G.6/7/8

Math: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
24	$y =$ -2 $x +$ 10	Numeric Entry	8.F.4
25	☐ Running 1 mile will cause the runner to use 1,725 calories. ☑ A runner who runs 2 miles on one day is predicted to use 1,830 calories that day. ☑ For each increase of 1 mile run per day, the number of calories used tends to increase, on average, by 105.	Multiple-Choice Multiple-Select	8.SP.2/3
26	-1 , 0.05 , 0.1 , $\frac{2}{3}$, $\left\lvert\frac{8}{7}\right\rvert$	Drag and Drop\Click and Pop	6.NS.C.7
27	$c =$ 1 and $d =$ 12	Numeric Entry	8.F.1
28	◉ $y = 2x + b$	Multiple-Choice Single-Select	8.EE.6
29	◉ 24 m	Multiple-Choice Single-Select	7.G.B.4
30	**Part A** Equation Editor The error in Linda's claim is that she calculated the slope by finding the change in x-values over the change in y-values. It should be the opposite. Also, moving to the left or down on the coordinate plane is represented by negative numbers. The correct slope is found below. $\overline{PR} = \frac{3-(-1)}{-3-3} = \frac{4}{-6} = \frac{-2}{3}$ Characters: 229 of 10000	Multipart	8.EE.6

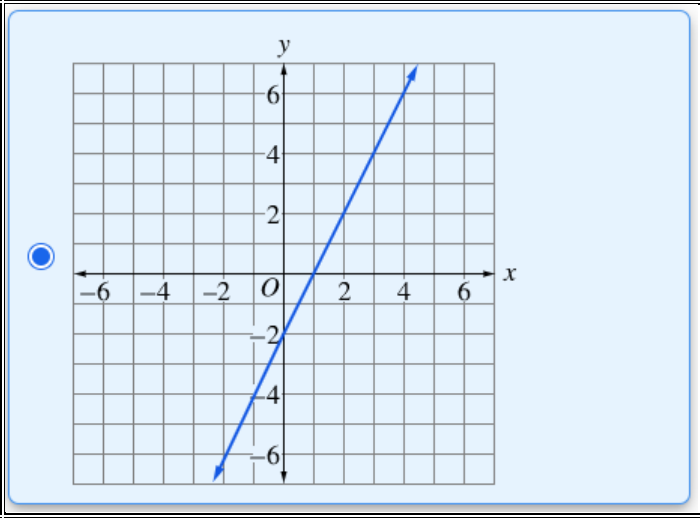
Math: Grade 8			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Part B Equation Editor The slope of $\overline{NP}$ can be found by finding the ratio of the lengths of the sides MN to MP, since triangle MNP is a right triangle. MN=2, MP=3 $\frac{MN}{MP} = \frac{2}{3}$ The slope of $\overline{RT}$ can be found by finding the ratio of the lengths of the sides RQ to QT, since triangle QRT is a right triangle. RQ=4, QT=6 $\frac{RQ}{QT} = \frac{4}{6} = \frac{2}{3}$ Since the ratios MN : MP and RQ : QT are the same, then both triangles have the same slope. Characters: 292 of 10000		

Grade 8 Constructed Response Scoring Rubric

Math Grade 8 Practice Test Answer Key – TTS

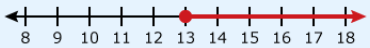
AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

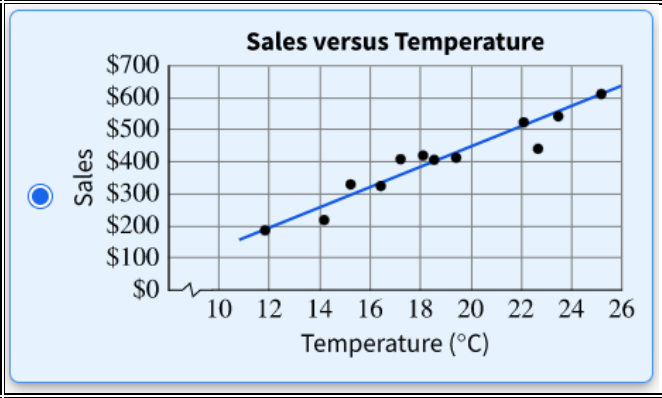
Math: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ $\frac{1}{8}$	Multiple-Choice Single-Select	8.EE.1
2	◉ $\pm\frac{7}{4}$	Multiple-Choice Single-Select	8.EE.2
3	◉ 6. 40 cm	Multiple-Choice Single-Select	6.G.A.1
4	☑ -72 ☑ $\frac{4}{5}$ ☐ $\sqrt{6}$ ☐ $\sqrt{\frac{5}{16}}$ ☑ $\sqrt{100}$	Multiple-Choice Multiple-Select	8.NS.1/2

Math: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
5		Multiple-Choice Single-Select	8.F.3
6	30 m^2	Numeric Entry	6.G.A.1
7		Table	8.EE.7
8	20 degrees	Numeric Entry	8.G.5

	No Solution	Exactly One Solution	Infinitely Many Solutions
$9x + 7 = 8x + 7$	○	■	○
$8x + 7 = 8x + 7$	○	○	■
$9x + 5 = 9x + 7$	■	○	○

Math: Grade 8 - TTS

Item Number	Correct Answer	Item Type	Item Alignment
9	**Statement** / **Truthfulness** At least one student is 23. — Must be true / **Could be true** / Cannot be true Some students are younger than 15. — Must be true / **Could be true** / Cannot be true	Select Text	6.SP.A.3
10	◉ $y = -\frac{1}{2}x - 2$	Multiple-Choice Single-Select	8.F.2
11	**Part A** ◉ $d \geq 13$ **Part B** ◉ 	Multipart	6.EE.B.8
12	◉ $y = 15x + 300$	Multiple-Choice Single-Select	8.F.4
13	98 degrees	Numeric Entry	4.MD.C.6
14	◉ From P to Q	Multiple-Choice Single-Select	8.F.5

Math: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
15		Multiple-Choice Single-Select	8.SP.2/3
16	◉ 108π	Multiple-Choice Single-Select	8.G.9
17	☑ $x = -3$ ☐ $x = 1$ ☑ $x = -4$	Multiple-Choice Multiple-Select	6.EE.B.5
18	☑ $y - 1 = \frac{4}{x^2} - \frac{x^2}{4}$ ☐ $5 = -2x - 3 + y$ ☐ $y + 2x = 5x - 5$ ☑ $y = \frac{1}{x} + 1$ ☑ $y = x^2 - 4x + 5$	Multiple-Choice Multiple-Select	8.F.3

Math: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
19	◉ Of all the students, 27% participate in both school sports and community service.	Multiple-Choice Single-Select	8.SP.4
20	(-4 , 3)	Numeric Entry	8.EE.8
21	Step 1: [area of large square] = [area of 4 right triangles] + [area of small square] Step 2: $(a+b)^2 = 4 \cdot \frac{1}{2} \cdot ab + c^2$	Drag and Drop\Click and Pop	8.G.6/7/8
22	$y =$ -2 $x +$ 10	Numeric Entry	8.F.4
23	☐ Running 1 mile will cause the runner to use $1{,}725$ calories. ☑ A runner who runs 2 miles on one day is predicted to use $1{,}830$ calories that day. ☑ For each increase of 1 mile run per day, the number of calories used tends to increase, on average, by 105.	Multiple-Choice Multiple-Select	8.SP.2/3
24	-1 , 0.05 , 0.1 , $\frac{2}{3}$, $\left\lvert\frac{8}{7}\right\rvert$	Drag and Drop\Click and Pop	6.NS.C.7
25	$c =$ 1 and $d =$ 12	Numeric Entry	8.F.1

Math: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
26	◉ $y = 2x + b$	Multiple-Choice Single-Select	8.EE.6
27	◉ 24 m	Multiple-Choice Single-Select	7.G.B.4
28	**Part A** Equation Editor The error in Linda's claim is that she calculated the slope by finding the change in x-values over the change in y-values. It should be the opposite. Also, moving to the left or down on the coordinate plane is represented by negative numbers. The correct slope is found below. $\overline{\overline{PR}} = \frac{3-(-1)}{-3-3} = \frac{4}{-6} = \frac{-2}{3}$ Characters: 229 of 10000 **Part B**	Multipart	8.EE.6

Math: Grade 8 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Equation Editor The slope of $\overline{NP}$ can be found by finding the ratio of the lengths of the sides MN to MP, since triangle MNP is a right triangle. MN=2, MP=3 $\frac{MN}{MP} = \frac{2}{3}$ The slope of $\overline{RT}$ can be found by finding the ratio of the lengths of the sides RQ to QT, since triangle QRT is a right triangle. RQ=4, QT=6 $\frac{RQ}{QT} = \frac{4}{6} = \frac{2}{3}$ Since the ratios MN : MP and RQ : QT are the same, then both triangles have the same slope. Characters: 292 of 10000		

Grade 8 Constructed Response Scoring Rubric

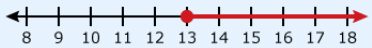
Math Grade 9 Practice Test Answer Key

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

Math: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ $100 = 35 + 20w$	Multiple-Choice Single-Select	A.CED.1
2	-1 , 0.05 , 0.1 , $\frac{2}{3}$, $\left\lvert\frac{8}{7}\right\rvert$	Drag and Drop\Click and Pop	6.NS.C.7
3	◉ 0.074	Multiple-Choice Single-Select	N.Q.1/2/3
4	12 $x^2 +$ 5 $x +$ -2	Numeric Entry	A.APR.1
5		Table	N.RN.3

	Must Be Rational	Must Be Irrational
$r + s$	◉	○
$r + w$	○	◉
rs	◉	○
rw	○	◉

Math: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
6	◉ 100 pencils and 20 pens	Multiple-Choice Single-Select	A.CED.3
7	30 m^2	Numeric Entry	6.G.A.1
8	The median running time of group J is [greater than] the median running time of group K. The interquartile range of running times for group J is [equal to] the interquartile range of running times for group K.	Drop-Down	S.ID.1/2/3/4
9	◉ $c > 0$	Multiple-Choice Single-Select	A.REI.10/11
10	$C =$ 150 $m +$ 3000	Numeric Entry	F.LE.1/2/3
11	◉ $t_n = -4(n-1)$	Multiple-Choice Single-Select	F.BF.2
12	◉ $1{,}000(1.049)^t$	Multiple-Choice Single-Select	A.SSE.3c
13	**Part A** ◉ $d \geq 13$ **Part B**	Multipart	6.EE.B.8

Math: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
			
14	$a = \frac{c-5}{2}$	Multiple-Choice Single-Select	F.BF.4a
15	$b =$ -12	Numeric Entry	A.APR.1
16	$x =$ 1 $x =$ -3	Numeric Entry	A.REI.4
17	24 m	Multiple-Choice Single-Select	7.G.B.4
18	$a =$ 2 ; $b =$ 3	Numeric Entry	F.LE.1/2/3
19	☐ There were 185 members in the club when the advertisement was published. ☑ There were 215 members in the club 2 months after the advertisement was published. ☑ Membership in the club increased by the same amount each month for $m \geq 1$.	Multiple-Choice Multiple-Select	F.LE.5

Math: Grade 9

Item Number	Correct Answer	Item Type	Item Alignment
20		Table	S.ID.7/8/9
21	☑ $x = -3$ ☐ $x = 1$ ☑ $x = -4$	Multiple-Choice Multiple-Select	6.EE.B.5
22	◉ $0 \leq m \leq 50$	Multiple-Choice Single-Select	F.IF.5
23	☑ $\sqrt[3]{9^4}$ ☐ $\sqrt[4]{27}$ ☑ $\sqrt[3]{3^8}$	Multiple-Choice Multiple-Select	N.RN.1/2
24	$f(x) = (x - \boxed{1})^2 + \boxed{-4}$	Numeric Entry	F.IF.8a

	True	False
The slope of the linear model is negative.	◉	○
The linear relationship between exercise and cholesterol levels is weak.	○	◉
As the number of hours per week spent exercising increases, cholesterol levels tend to decrease.	◉	○

Math: Grade 9

Item Number	Correct Answer	Item Type	Item Alignment
25	<table><tr><th></th><th>Green</th><th>Purple</th><th>Total</th></tr><tr><td>Hood</td><td>100</td><td>70</td><td>170</td></tr><tr><td>No Hood</td><td>80</td><td>130</td><td>210</td></tr><tr><td>Total</td><td>180</td><td>200</td><td>380</td></tr></table>	Drag and Drop\Click and Pop	S.ID.5/6
26	<table><tr><th>Statement</th><th colspan="3">Truthfulness</th></tr><tr><td>At least one student is 23.</td><td>Must be true</td><td>Could be true</td><td>Cannot be true</td></tr><tr><td>Some students are younger than 15.</td><td>Must be true</td><td>Could be true</td><td>Cannot be true</td></tr></table>	Select Text	6.SP.A.3
27	☑ $x^2 - 9$ ☐ $x^2 - 11$ ☑ $4x^2 - 1$ ☐ $4x^2 - 2$ ☑ $9x^2 - 4$	Multiple-Choice Multiple-Select	A.SSE.2
28	◉ $h(x) = f(3x)$	Multiple-Choice Single-Select	F.BF.3

Math: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
29	**Part A** 2 **Part B** $n = \frac{11}{6}$	Multipart	A-SSE.3
30	**Part A** The value of the car as a function of time after it was purchased is best modeled with an exponential function. This is because the value of the car is decreasing by a contant percent. If V is the value of the car when it is purchased, the the following list shows the expressions that give the value of the car for some years, x, after it was purchased: Value = $(0.85)V$ when $x = 1$ Value = $(0.85)[(0.85)V] = (0.85)^2V$ when $x = 2$ Value = $(0.85)(0.85)(0.85)V = (0.85)^3V$ when $x = 3$ **Part B**	Multipart	F.LE.1/2/3

Math: Grade 9			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	$17918 = V(0.85)^2$ $17918 = V(0.7225)$ $\frac{17918}{0.7225} = V$ $248000 = V$ The car had a value of $24,800 when it was purchased.		

Grade 9 Constructed Response Scoring Rubric

Math Grade 9 Practice Test Answer Key - TTS

AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

Math: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
1	◉ $100 = 35 + 20w$	Multiple-Choice Single-Select	A.CED.1
2	-1 , 0.05 , 0.1 , $\frac{2}{3}$, $\left\lvert\frac{8}{7}\right\rvert$	Drag and Drop\Click and Pop	6.NS.C.7
3	◉ 0.074	Multiple-Choice Single-Select	N.Q.1/2/3
4	12 $x^2 +$ 5 $x +$ -2	Numeric Entry	A.APR.1
5		Table	N.RN.3

	Must Be Rational	Must Be Irrational
$r + s$	◉	○
$r + w$	○	◉
rs	◉	○
rw	○	◉

Math: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
6	100 pencils and 20 pens	Multiple-Choice Single-Select	A.CED.3
7	30 m^2	Numeric Entry	6.G.A.1
8	$c > 0$	Multiple-Choice Single-Select	A.REI.10/11
9	$C =$ 150 $m +$ 3000	Numeric Entry	F.LE.1/2/3
10	$t_n = -4(n-1)$	Multiple-Choice Single-Select	F.BF.2
11	$1{,}000(1.049)^t$	Multiple-Choice Single-Select	A.SSE.3c
12	**Part A** $d \geq 13$ **Part B** 	Multipart	6.EE.B.8

Math: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
13	◉ $a = \frac{c-5}{2}$	Multiple-Choice Single-Select	F.BF.4a
14	$b =$ -12	Numeric Entry	A.APR.1
15	$x =$ 1 $x =$ -3	Numeric Entry	A.REI.4
16	◉ 24 m	Multiple-Choice Single-Select	7.G.B.4
17	$a =$ 2 ; $b =$ 3	Numeric Entry	F.LE.1/2/3
18	☐ There were 185 members in the club when the advertisement was published. ☑ There were 215 members in the club 2 months after the advertisement was published. ☑ Membership in the club increased by the same amount each month for $m \geq 1$.	Multiple-Choice Multiple-Select	F.LE.5

Math: Grade 9 - TTS

Item Number	Correct Answer	Item Type	Item Alignment
19	<table><tr><th></th><th>True</th><th>False</th></tr><tr><td>The slope of the linear model is negative.</td><td>●</td><td>○</td></tr><tr><td>The linear relationship between exercise and cholesterol levels is weak.</td><td>○</td><td>●</td></tr><tr><td>As the number of hours per week spent exercising increases, cholesterol levels tend to decrease.</td><td>●</td><td>○</td></tr></table>	Table	S.ID.7/8/9
20	☑ $x = -3$ ☐ $x = 1$ ☑ $x = -4$	Multiple-Choice Multiple-Select	6.EE.B.5
21	◉ $0 \leq m \leq 50$	Multiple-Choice Single-Select	F.IF.5
22	☑ $\sqrt[3]{9^4}$ ☐ $\sqrt[4]{27}$ ☑ $\sqrt[3]{3^8}$	Multiple-Choice Multiple-Select	N.RN.1/2
23	$f(x) = (x - \boxed{1})^2 + \boxed{-4}$	Numeric Entry	F.IF.8a

Math: Grade 9 - TTS

Item Number	Correct Answer	Item Type	Item Alignment
24	<table><tr><th></th><th>Green</th><th>Purple</th><th>Total</th></tr><tr><td>Hood</td><td>100</td><td>70</td><td>170</td></tr><tr><td>No Hood</td><td>80</td><td>130</td><td>210</td></tr><tr><td>Total</td><td>180</td><td>200</td><td>380</td></tr></table>	Drag and Drop\Click and Pop	S.ID.5/6
25	<table><tr><th>Statement</th><th colspan="3">Truthfulness</th></tr><tr><td>At least one student is 23.</td><td>Must be true</td><td>Could be true</td><td>Cannot be true</td></tr><tr><td>Some students are younger than 15.</td><td>Must be true</td><td>Could be true</td><td>Cannot be true</td></tr></table>	Select Text	6.SP.A.3
26	☑ $x^2 - 9$ ☐ $x^2 - 11$ ☑ $4x^2 - 1$ ☐ $4x^2 - 2$ ☑ $9x^2 - 4$	Multiple-Choice Multiple-Select	A.SSE.2
27	◉ $h(x) = f(3x)$	Multiple-Choice Single-Select	F.BF.3

Math: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
28	**Part A** ◉ 2 **Part B** ◉ $n = \frac{11}{6}$	Multipart	A-SSE.3
29	**Part A** The value of the car as a function of time after it was purchased is best modeled with an exponential function. This is because the value of the car is decreasing by a contant percent. If V is the value of the car when it is purchased, the the following list shows the expressions that give the value of the car for some years, x, after it was purchased: Value = $(0.85)V$ when $x = 1$ Value = $(0.85)[(0.85)V] = (0.85)^2V$ when $x = 2$ Value = $(0.85)(0.85)(0.85)V = (0.85)^3V$ when $x = 3$	Multipart	F.LE.1/2/3

Math: Grade 9 - TTS			
Item Number	**Correct Answer**	**Item Type**	**Item Alignment**
	Part B $17918 = V(0.85)^2$ $17918 = V(0.7225)$ $\frac{17918}{0.7225} = V$ $248000 = V$ The car had a value of $24,800 when it was purchased.		

Grade 9 Constructed Response Scoring Rubric

Appendix D: Constructed Response Scoring Rubrics

ELA Grades 3-5 Scoring Rubric

Text-Based Explanatory (TBE) and Supporting an Opinion or Claim (SOC)

3	A **successful response** displays the following characteristics • Responds accurately to all parts of the prompt • Restates and/or explains the opinion as required by the prompt (SOC only) • Is written mostly in the student's own words • Includes relevant supporting details or evidence as required by the prompt • Stays on task/on topic; does not introduce unrelated ideas or information • Uses linking words, phrases, and clauses to connect the idea(s) and supporting details • Introduces the topic, groups ideas logically, and provides a sense of closure • Uses sentences that are complete and correct • Uses precise and/or domain-specific language to write about the topic (grades 4 and 5 only)
2	A **partially successful** response displays the following strengths. • Addresses all parts of the prompt • Is written mostly in the student's own words • Makes reference to the opinion as required by the prompt (SOC only) But it also displays one or more of the following weaknesses. • Contains details or evidence that may be vague (e.g., references the supporting details in a sweeping manner rather than drawing on specific information from the text), weakly linked (e.g., identifies evidence but does not explain its connection to the idea), incomplete (e.g., includes one piece of evidence when two are required), or excessive. • Inserts unnecessary or inaccurate information, such as personal opinion or information from the text that is not applicable to the prompt • Does not effectively use linking words to connect ideas • Demonstrates weaknesses in organization, such as not introducing the topic, not providing a sense of closure, not grouping ideas logically, or not organizing ideas in a traditional paragraph structure (e.g., ideas are complete but presented as bullets or an outline) • Contains errors in sentence structure and/or word choice that weaken clarity
1	A **minimally successful** response displays the following strengths. • Attempts to address all or part of the prompt • Demonstrates an awareness of the topic But it also displays one or more of the following weaknesses. • Contains mostly inaccurate information • Lacks an explanation as required by the prompt • Consists mostly of quoted or copied text • Does not include relevant supporting details or evidence as required by the prompt • Displays no logical organization (e.g., contains a list of words or ideas that relate to the prompt but do not form a cohesive paragraph) • Contains errors in word choice and/or sentence structure that severely impede meaning and clarity
0	A response cannot be scored if it displays any of the following characteristics. • Consists entirely of text that is copied from the prompt and/or passage • Is completely off topic • Is incoherent • Is not written in the target language • Is blank • Is inadequate for scoring

ELA Grades 6-8 Scoring Rubric

Text-Based Explanatory (TBE) and Supporting an Opinion or Claim (SOC)

3	A **successful** response displays the following characteristics. • Responds accurately to all parts of the prompt • Restates and/or explains the claim as required by the prompt (SOC only) • Is written mostly in the student's own words • Includes relevant evidence as required by the prompt • Stays on task/on topic; does not introduce irrelevant ideas or information • Makes clear the relationship between the idea(s) and the evidence • Introduces the topic, sequences ideas logically, and provides a sense of closure • Uses sentences that are complete and correct • Uses precise and/or domain-specific language to write about the topic
2	A **partially successful** response displays the following strengths. • Addresses all parts of the prompt • Is written mostly in the student's own words • Makes reference to the claim as required by the prompt (SOC only) But it also displays one or more of the following weaknesses. • Contains evidence that may be vague (e.g., references the evidence in a sweeping manner rather than drawing on specific information from the text), weakly linked (e.g., identifies or asserts the value of evidence but does not explain its connection to the idea), incomplete (e.g., includes one piece of evidence when two are required), or excessive. • Inserts unnecessary or inaccurate information, such as personal opinion or information from the text that is not applicable to the prompt • Does not effectively make connections among ideas • Demonstrates weaknesses in organization, such as not introducing the topic, not providing a sense of closure, not grouping ideas logically, or not organizing ideas in a traditional paragraph structure (e.g., ideas are complete but presented as bullets or an outline) • Contains errors in sentence structure and/or word choice that weaken clarity
1	A **minimally successful** response displays the following strengths. • Attempts to address the prompt • Demonstrates an awareness of the topic But it also displays one or more of the following weaknesses. • Contains mostly inaccurate information • Lacks an explanation as required by the prompt • Consists mostly of quoted or copied text • Does not include relevant evidence as required by the prompt • Displays no logical organization (e.g., contains a list of words or ideas that relate to the prompt but do not form a cohesive paragraph) • Contains errors in word choice and/or sentence structure that severely impede meaning and clarity
0	A response cannot be scored if it displays any of the following characteristics. • Consists entirely of text that is copied from the prompt and/or passage • Is completely off topic • Is incoherent • Is not written in the target language • Is blank • Is inadequate for scoring

ELA Grade 9 Scoring Rubric

Text-Based Explanatory (TBE) and Supporting an Opinion or Claim (SOC)

3	A **successful** response displays the following characteristics. • Responds accurately to all parts of the prompt • Restates and/or explains the claim as required by the prompt (SOC only) • Is written mostly in the student's own words • Incorporates relevant evidence as required by the prompt • Stays on task/on topic; does not introduce irrelevant ideas or information • Makes clear the relationship between the idea(s) and the evidence • Introduces the topic, sequences ideas logically, and provides a sense of closure • Uses sentences that are complete, correct, and varied • Uses precise, domain-specific language to write about the topic
2	A **partially successful** response displays the following strengths. • Addresses all parts of the prompt • Is written mostly in the student's own words • Makes reference to the claim as required by the prompt (SOC only) But it also displays one or more of the following weaknesses. • Contains evidence that may be vague (e.g., references the evidence in a sweeping manner rather than drawing on specific information from the text), weakly linked (e.g., identifies or asserts the value of evidence but does not explain its connection to the idea), incomplete (e.g., includes one piece of evidence when two are required), or excessive • Inserts additional unnecessary or inaccurate information, such as personal opinion or information from the text that is not applicable to the prompt • Does not effectively make connections among ideas • Demonstrates weaknesses in organization, such as not introducing the topic, not providing a sense of closure, not grouping ideas logically, or not organizing ideas in a traditional paragraph structure (e.g., ideas are complete but presented as bullets or an outline) • Contains errors in sentence structure and/or word choice that weaken clarity
1	A **minimally successful** response displays the following strengths. • Attempts to address the prompt • Demonstrates an awareness of the topic But it also displays one or more of the following weaknesses. • Contains mostly inaccurate information • Lacks an explanation as required by the prompt • Consists mostly of quoted or copied text • Does not include relevant evidence as required by the prompt • Displays no logical organization (e.g., contains a list of words or ideas that relate to the prompt but that are not a cohesive paragraph) • Contains errors in word choice and/or sentence structure that severely impede meaning and clarity
0	A response cannot be scored if it displays any of the following characteristics. • Consists entirely of text that is copied from the prompt and/or passage • Is completely off topic • Is incoherent • Is not written in the target language • Is blank • Is inadequate for scoring

Mathematics Grade 3 Scoring Rubric

This question is worth 3 points. Each of the following components is worth 1 point.

- In Part A, the response shows that the least number of labels needed to cover the board is 96.
- In Part B, the response shows that the least number of packages of labels that should be bought is 16.
    - NOTE: Correctly using an incorrect answer from Part A meets this component.
- In Parts A and B, the response shows understanding that numbers should be multiplied (or numbers should be repeatedly added) in Part A AND that numbers should be divided (or numbers should be repeatedly subtracted) in Part B OR shows that other appropriate strategies were used.

Mathematics Grade 4 Scoring Rubric

This question is worth 3 points. Each of the following components is worth 1 point.

- In Part A, the response is correct.
- In Part B, the response is correct.
- In Part C, the response shows an understanding that place value is the reason why Joni's method does not always result in a correct comparison of numbers that each have a different number of digits.

Mathematics Grade 5 Scoring Rubric

This question is worth 3 points. Each of the following components is worth 1 point.

- The response shows that the volume of one small box and the carton should be calculated OR that the number of boxes that fit in each carton should be calculated.
- The response shows that the total volume of 972 small boxes should be divided by the total volume of one carton OR that the total number of boxes should be divided by the number of boxes that fit in 1 carton.
    - This component is met if the response correctly uses one or more incorrect values.
- The response shows a correct answer of 3 cartons.
    - This component is met if the response correctly uses incorrect volumes and/or numbers of boxes.
    - Units are not needed to meet this component.

Mathematics Grade 6 Scoring Rubric

This question is worth 3 points. Each of the following components is worth 1 point.

- In part A, the response explains that the claim is not valid and provides evidence of understanding how to find the surface area of the prism.
- In part A, the response gives the correct surface area: 144 square inches.
- In part B, the response explains that the claim is not valid and provides evidence of understanding why the surface area of the prism does not double if Sophia doubles the lengths of the $7\frac{1}{2}$-inch edges.
- In part B, the response gives the correct increase in the surface area of the prism if Sophia doubles the lengths of the $7\frac{1}{2}$-inch edges: 120 square inches.

Mathematics Grade 7 Scoring Rubric

This question is worth 4 points. Each of the following components is worth 1 point.

- In Part A, the response shows evidence of understanding how to correctly apply a given scale factor to find either dimension of the new bedroom floor, in feet.
- In Part A, the response includes the areas of both floors, in square inches or square feet.
- In Part A, the response shows evidence of understanding that the claim is incorrect and the reasons why.
    - NOTE: A response that includes an explanation based on correctly comparing incorrect areas meets this component.
- In Part B, the response shows evidence of understanding that the claim is incorrect and the reason why.
    - NOTE: A response that includes an explanation based on correctly comparing the sum of 81 and 31 with an incorrectly calculated width, in feet, meets this component.

Mathematics Grade 8 Scoring Rubric

This question is worth 4 points. Each of the following components is worth 1 point.

- The response provides an explanation of the error in Linda's claim.
- The response shows the correct calculation and identification of the slope.
- The response provides correct reasoning about the slopes being equal, which includes the fact that the triangles are similar.
- The response provides correct reasoning about the slopes being equal because the ratios are equal, which includes the fact that the ratios of corresponding sides of the triangles are equal.
    - Note: If the response to Part B only contains calculations of the slopes of the segments without using the similar triangle concept, both points may be awarded as long as both slopes are calculated correctly.

Mathematics Grade 9 Scoring Rubric

This question is worth 4 points. Each of the following components is worth 1 point.

- In Part A, the response shows that the situation can be modeled by an exponential function and provides a correct explanation.
- In either Part A or Part B, the response contains the correct decay factor of 0.85. This may not be explicit but should be apparent in the work shown.
- In Part B, the response contains a reasonable computation (between $23,000 and $25,000) for the original price based on the work shown.
- In Part B, the response provides an equation, process, or explanation for the computation.

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Educator Guide to Student Readiness

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