



Student Readiness
Support Resource
for Families
Grade 4



Accessing Student Tutorials

The Student Tutorial is a web-based video that introduces the AK STAR testing system. 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 community and easily viewable on many web browsers. A username and password are not required to access the tutorial.



Quick Guide

1. Use the link posted to the [AK STAR Student Readiness webpage](https://education.alaska.gov/assessments/akstar/student-readiness) (education.alaska.gov/assessments/akstar/student-readiness) to view the Student Tutorial. After the link is selected, the video will begin to play.
2. OR use this link to take you directly to the video:
<https://vimeo.com/672021973/4d3ec642c2>



Accessing Practice Tests

The Practice Tests are for the computer-based assessment 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 try out 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.

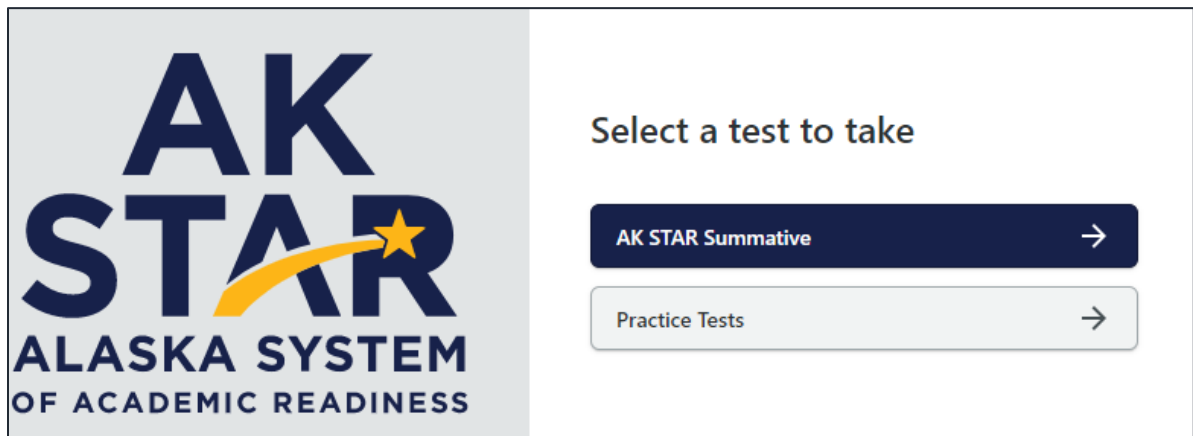
The practice tests are accessible to students, educators, parents, and community. Families are encouraged to use the practice tests and see what kinds of questions their student will be answering. Test questions are not scored, and answers are not saved.

All of the resources mentioned in the steps below are also available on the [AK STAR Student Readiness webpage](https://education.alaska.gov/assessments/akstar/student-readiness) (education.alaska.gov/assessments/akstar/student-readiness).

- 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 internet browser. The practice tests are also available outside the secure browser by using this provided link. [AK STAR Practice Tests](#)

Once on the practice test page, follow the steps below to access the appropriate practice test.

1. Select “Practice Tests” from the two options.



2. A menu of test options will be presented. Select the appropriate option from each drop-down button.



Quick Guide

3. Once you have selected all the appropriate options, select “Take Test” to begin the practice test.

Practice Using the Software

You must select an option for each field in order, from first to last.

Year

2022 ▼

Grade

Grade 4 Practice Test ▼

Subject

English Language Arts ▼

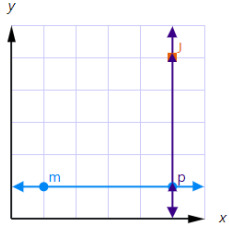
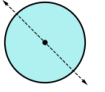
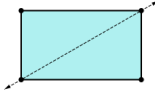
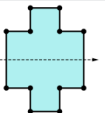
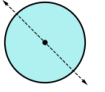
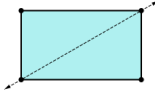
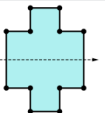
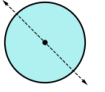
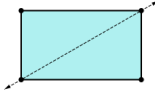
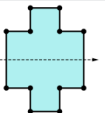
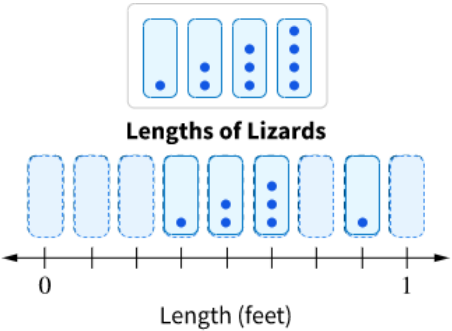
Accommodations

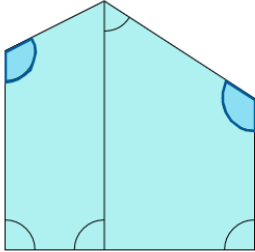
No Accommodation ▼


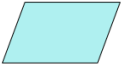
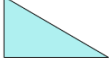

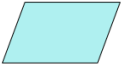
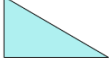

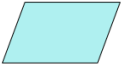
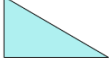
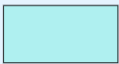
4. If your student uses American Sign Language (ASL) or Text to Speech functionality, you can practice these item types by selecting “Grade 3-9 Accommodated Items” in the “Grade” drop down.
5. Under the “Accommodations” drop down Select ASL or Text to Speech to view those practice items.

Mathematics Grade 4 Practice Test Answer Key

Item Number	Correct Answer	Item Type
1	<input checked="" type="checkbox"/> 7 <input type="checkbox"/> 9 <input checked="" type="checkbox"/> 13 <input checked="" type="checkbox"/> 23 <input type="checkbox"/> 28 <input type="checkbox"/> 35	Multiple Choice Multiple-Select
2	<p>How many seats were empty?</p> <p>Enter your answer in the space provided.</p> <p style="text-align: center;">4683 seats</p>	Numeric Entry
3	<input checked="" type="radio"/> $\frac{6}{12} = \frac{4}{8}$	Multiple Choice Single-Select
4	<p>Select from the list of choices to complete the statement.</p> <p>Triangle XYZ is an obtuse triangle.</p>	Drop-Down
5	<div style="border: 1px solid gray; padding: 5px; width: fit-content; margin: 0 auto;">2</div> <hr style="width: 50%; margin: 5px auto;"/> <div style="border: 1px solid gray; padding: 5px; width: fit-content; margin: 0 auto;">8</div>	Fraction Entry
6	<input checked="" type="radio"/> $24 \times 3 + j = 80$	Multiple Choice Single-Select
7	<p>How many jars does Ms. Nagy's class need?</p> <p>Enter your answer in the space provided.</p> <p style="text-align: center;">20</p>	Numeric Entry

Item Number		Item Type																
8	<input checked="" type="radio"/> $0.06 < 0.10$	Multiple Choice Single-Select																
9		Graphing																
10	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;">20</td> <td style="text-align: center;">+</td> <td style="text-align: center;">6</td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;"><input type="text" value="200"/></td> <td></td> <td style="text-align: center;"><input type="text" value="60"/></td> </tr> <tr> <td style="text-align: center;">+</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">8</td> <td style="text-align: center;"><input type="text" value="160"/></td> <td></td> <td style="text-align: center;"><input type="text" value="48"/></td> </tr> </table> <p style="text-align: center;">$26 \times 18 =$ <input type="text" value="468"/></p>		20	+	6	10	<input type="text" value="200"/>		<input type="text" value="60"/>	+				8	<input type="text" value="160"/>		<input type="text" value="48"/>	Drag and Drop
	20	+	6															
10	<input type="text" value="200"/>		<input type="text" value="60"/>															
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8	<input type="text" value="160"/>		<input type="text" value="48"/>															
11	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Shape</th> <th style="text-align: center;">Appears to Be a Line of Symmetry</th> <th style="text-align: center;">Does Not Appear to Be a Line of Symmetry</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> </tbody> </table>	Shape	Appears to Be a Line of Symmetry	Does Not Appear to Be a Line of Symmetry		<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input checked="" type="radio"/>		<input checked="" type="radio"/>	<input type="radio"/>	Table				
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	<input checked="" type="radio"/>	<input type="radio"/>																
	<input type="radio"/>	<input checked="" type="radio"/>																
	<input checked="" type="radio"/>	<input type="radio"/>																
12	<input checked="" type="radio"/> 32°	Multiple Choice Single-Select																
13	<input checked="" type="radio"/> $\frac{4}{8} < \frac{3}{5}$	Multiple Choice Single-Select																
14	<p style="text-align: center;">Lengths of Lizards</p> 	Drag and Drop																

Item Number		Item Type
15	$\frac{38}{100}$	Fraction Entry
16	<input checked="" type="radio"/> $(1,400 \div 7) + (35 \div 7)$	Multiple Choice Single-Select
17		Zone
18	<p>Enter your answer in the space provided.</p> <input type="text" value="2.05"/>	Numeric Entry
19	<p>3, <input type="text" value="10"/>, <input type="text" value="17"/>, <input type="text" value="24"/></p>	Multiple Numeric Entry
20	<input type="checkbox"/> $\frac{1}{6} + \frac{8}{2}$ <input type="checkbox"/> $\frac{4}{1} + \frac{4}{12}$ <input type="checkbox"/> $\frac{4}{10} + \frac{4}{2}$ <input checked="" type="checkbox"/> $\frac{1}{12} + \frac{7}{12}$ <input type="checkbox"/> $\frac{3}{4} + \frac{3}{4} + \frac{2}{4}$ <input checked="" type="checkbox"/> $\frac{3}{12} + \frac{3}{12} + \frac{2}{12}$	Multiple Choice Multiple-Select
21	<input type="text" value="60000"/> meters	Numeric Entry

Item Number		Item Type												
22	<table border="1"> <thead> <tr> <th data-bbox="524 191 662 237">Shape</th> <th data-bbox="662 191 834 237">Appears to Have Parallel Sides</th> <th data-bbox="834 191 1005 237">Appears to Have a Right Angle</th> </tr> </thead> <tbody> <tr> <td data-bbox="524 237 662 317"></td> <td data-bbox="662 237 834 317"><input checked="" type="checkbox"/></td> <td data-bbox="834 237 1005 317"><input checked="" type="checkbox"/></td> </tr> <tr> <td data-bbox="524 317 662 396"></td> <td data-bbox="662 317 834 396"><input checked="" type="checkbox"/></td> <td data-bbox="834 317 1005 396"><input type="checkbox"/></td> </tr> <tr> <td data-bbox="524 396 662 476"></td> <td data-bbox="662 396 834 476"><input type="checkbox"/></td> <td data-bbox="834 396 1005 476"><input checked="" type="checkbox"/></td> </tr> </tbody> </table>	Shape	Appears to Have Parallel Sides	Appears to Have a Right Angle		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Table
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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												
	<input checked="" type="checkbox"/>	<input type="checkbox"/>												
	<input type="checkbox"/>	<input checked="" type="checkbox"/>												
23	<input checked="" type="radio"/> 40 x 12	Multiple Choice Single-Select												
24	<input checked="" type="radio"/> $\frac{15}{4}$	Multiple Choice Single-Select												
25	<input type="text" value="4000"/> grams	Numeric Entry												
26	<p>Enter your answer in the space provided.</p> <input type="text" value="800000"/>	Numeric Entry												
27	<p>All angles are formed by two <input type="text" value="rays"/> that share a common <input type="text" value="endpoint"/>.</p>	Drop-Down												
28	<input checked="" type="radio"/> 	Multiple Choice Single-Select												
29A	<p>Enter your answer in the space provided.</p> <input type="text" value="36"/> feet	Numeric Entry												
29B	<p>Enter your answer in the space provided.</p> <input type="text" value="72"/> square feet	Numeric Entry												
29C	<p>For Plan F, the cost of the carpet is <input type="text" value="greater than"/> the cost of the carpet for Plan G. For Plan F, the cost of the border is <input type="text" value="equal to"/> the cost of the border for Plan G. Hubert will choose <input type="text" value="Plan G"/>.</p>	Drop-Down												
30	<p>The 8 in 8,439 represents a value of <input type="text" value="8,000"/>, while the 2 in 23,857 represents a value of <input type="text" value="20,000"/>.</p>	Drop-Down												

Item Number	Correct Answer	Item Type
30B	<input checked="" type="radio"/> 746 and 512	Multiple Choice Single-Select
30C	<p>Example: Mr. Fluit's numbers have different numbers of digits, so comparing the first digit of each number does not result in a correct comparison because the place value is different.</p> <p>The numbers I picked in Part B have the same number of digits, and the first digit of each number is different. Since the first digit of each number has the same place value, the number with the greater first digit is the greater number.</p>	Written Response

Math Written Response Rubric Grade 4

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.

ELA Grade 4 Practice Test Answer Key

Item Number	Correct Answer	Item Type																
1	<p>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.</p>	Select in Passage																
2	<input checked="" type="radio"/> She has thought of a plan.	Multiple Choice Single-Select																
3	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="background-color: #e0e0e0;">Events that Lead to Iris' Idea</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Designing price tags for her mother</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">Watching a rug being traded for a painting</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">Doodling on a pad</td> </tr> </tbody> </table>	Events that Lead to Iris' Idea		1	Designing price tags for her mother	2	Watching a rug being traded for a painting	3	Doodling on a pad	Drag and Drop								
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1	Designing price tags for her mother																	
2	Watching a rug being traded for a painting																	
3	Doodling on a pad																	
4	<input checked="" type="radio"/> admires the beauty of the banner Iris made for her mom.	Multiple Choice Single-Select																
5	<input checked="" type="radio"/> Often people need creative solutions to solve problems.	Multiple Choice Single-Select																
6	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Clever</th> <th style="text-align: center;">Confident</th> <th style="text-align: center;">Eager</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">"May I run over to Rodney's booth?" (paragraph 11)</td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;">"Not rich enough. Do you think we can make a trade?" (paragraph 23)</td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td style="text-align: center;">"My tags have pizzazz. . . . Customers love them." (paragraph 27)</td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> </tbody> </table>		Clever	Confident	Eager	"May I run over to Rodney's booth?" (paragraph 11)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	"Not rich enough. Do you think we can make a trade?" (paragraph 23)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	"My tags have pizzazz. . . . Customers love them." (paragraph 27)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Table
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"My tags have pizzazz. . . . Customers love them." (paragraph 27)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>															
7	<p>In the first paragraph, the author asks the question, "Who wants a bedtime story?" to</p> <p style="text-align: center;">build interest for the reader of the passage. ▾</p> <p>The author offers a possible answer to the question to introduce the</p> <p style="text-align: center;">topic of the passage. ▾</p>	Drop-Down																
8	<p>engage verb 1. to become interested or involved 2. to enter into an agreement 3. to promise to marry 4. to prepare for fighting</p>	Select in Passage																

Item Number		Item Type
9	<input type="checkbox"/> The types of foods that dogs eat <input checked="" type="checkbox"/> The signs of worry in dogs <input checked="" type="checkbox"/> Strategies for approaching dogs <input checked="" type="checkbox"/> Ways to reward dogs <input type="checkbox"/> The types of scents that dogs like	Multiple Choice Multiple-Select
10	<input type="checkbox"/> Paragraph 8 <input checked="" type="checkbox"/> Paragraph 9 <input checked="" type="checkbox"/> Paragraph 10 <input type="checkbox"/> Paragraph 11 <input type="checkbox"/> Paragraph 12	Multiple Choice Multiple-Select
11A	<input checked="" type="radio"/> Both dogs and volunteers benefit from shelter reading programs.	Multiple Choice Single-Select
11B	<input checked="" type="radio"/> Paragraphs 2 and 4	Multiple Choice Single-Select
12	<input type="checkbox"/> The Humane Society of Missouri needed money. <input checked="" type="checkbox"/> Rescue dogs were not comfortable in the shelter environment. <input type="checkbox"/> Photographs of dogs showed that they were hiding in the back of their cages. <input checked="" type="checkbox"/> Children who visited the shelter wanted to help the dogs. <input type="checkbox"/> The shelter wanted to add more classes for children to its education program.	Multiple Choice Multiple-Select
13	<input checked="" type="radio"/> Does barking affect dogs' adoption success rates?	Multiple Choice Single-Select
14	<input checked="" type="radio"/> However,	Multiple Choice Single-Select
15	<input checked="" type="radio"/> On some days, stratus clouds blocked the Sun like a gray blanket as a drizzly rain fell from the sky.	Multiple Choice Single-Select
16A	<input checked="" type="radio"/> calender	Multiple Choice Single-Select
16B	<input type="text" value="calendar"/>	Text Entry

Item Number		Item Type
17	<input checked="" type="radio"/> Changing "observed" to "observe"	Multiple Choice Single-Select
18	<input checked="" type="radio"/> The balloon moves at the same speed as the wind.	Multiple Choice Single-Select
19	<input checked="" type="radio"/> By moving the balloon up or down to catch different winds	Multiple Choice Single-Select
20	<ol style="list-style-type: none"> <li data-bbox="537 485 1029 541">1 Giant fans blow cold air into the envelope. <li data-bbox="537 541 1029 598">2 A propane burner heats the air inside the envelope. <li data-bbox="537 598 1029 655">3 The warm air causes the envelope to expand and rise, lifting the basket up. 	Drag and Drop
21	<p>Teamwork is very important when launching and landing hot air balloons because before launching a hot air balloon you have to tether it to a van so the passengers can get in. For example the text says when landing the pilot looks for a place to land from above. If the pilot thinks he found an open field he would contact the chasers asking if the land had no crops or if it has an accessible road. If it included those details then the pilot would land. That is why teamwork makes the dream-work.</p>	Written Response
22A	<input checked="" type="radio"/> Order of events	Multiple Choice Single-Select
22B	<input checked="" type="radio"/> Moments from the Moon landing are described in sequence.	Multiple Choice Single-Select
23	<input checked="" type="radio"/> "We haven't been back—but wouldn't it be wonderful if we could?" (paragraph 7)	Multiple Choice Single-Select

Item Number		Item Type
24	<p><input checked="" type="checkbox"/> They took photographs.</p> <p><input type="checkbox"/> They repaired the lunar module.</p> <p><input checked="" type="checkbox"/> They collected objects to bring back to Earth.</p> <p><input checked="" type="checkbox"/> They conducted some experiments.</p> <p><input type="checkbox"/> They drew pictures of the Moon.</p>	Multiple Choice Multiple-Select
25	<p><input type="checkbox"/> Zero gravity makes you feel like you are floating.</p> <p><input type="checkbox"/> Using the wind is important for steering.</p> <p><input checked="" type="checkbox"/> Training, practice, and experience are important.</p> <p><input checked="" type="checkbox"/> You get to look at Earth in a totally different way.</p> <p><input checked="" type="checkbox"/> Landing in a clear, safe area is difficult.</p>	Multiple Choice Multiple-Select
26	<p><input checked="" type="radio"/> Anyone can take a ride in a hot air balloon, but only highly trained astronauts ride in spaceships.</p>	Multiple Choice Single-Select