



MATHEMATICS SUMMARY TABLE

Grade 7

The summary tables below are to be used with the grade 7 mathematics Paper-Based Item Sampler or Online Tools Training (OTT). It provides an answer key, alignment to the Alaska standards, and depth of knowledge level for each question. Please note, there are two different answer keys for each grade level: one for the paper-based item samplers and one for the OTT.

Paper-Based Item Sampler - Part 1

Question #	Answer Key	Alignment with Standards	Depth of Knowledge
1	A	7.EE.A.1	2
2	A	7.NS.A.1	1
3	D	7.EE.A.2	2
4	B	7.NS.A.3	1
5	A, B	7.NS.A.2	1

Paper-Based Item Sampler - Part 2

Question #	Answer Key	Alignment with Standards	Depth of Knowledge
6	B	7.EE.B.4	2
7	B	7.RP.A.2	1
8	C	7.RP.A.2	1
9	B	7.SP.C.5	2
10	A	7.EE.B.4	2
11	B	7.G.B.4	2
12	B	7.SP.A.1	2
13	D	7.G.A.1	2
14	B	7.RP.A.1	1
15	D	7.RP.A.3	2
16	B, C	7.SP.C.7	2

Question #	Answer Key	Alignment with Standards	Depth of Knowledge
17	70	7.G.A.2	2

OTT - Part 1

Question #	Answer Key	Alignment with Standards	Depth of Knowledge										
1	A	7.EE.A.1	2										
2	A	7.NS.A.1	1										
3	D	7.EE.A.2	2										
4	B	7.NS.A.3	1										
5	A, B	7.NS.A.2	1										
6	<table border="1"> <thead> <tr> <th>Negative</th> <th>Zero</th> <th>Positive</th> </tr> </thead> <tbody> <tr> <td> -4.65 $-4 + -4$ </td> <td></td> <td> $-(-2)$ -7 $-3 + 6$ </td> </tr> </tbody> </table>	Negative	Zero	Positive	-4.65 $-4 + -4$		$-(-2)$ $ -7 $ $-3 + 6$	7.NS.A.1	1				
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7		7.EE.A.2	1										
8	<table border="1"> <thead> <tr> <th>Expression</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>$-3 \cdot \frac{1}{5}$</td> <td>Negative ▾</td> </tr> <tr> <td>$-9 \cdot -4$</td> <td>Positive ▾</td> </tr> <tr> <td>$7 \div -9$</td> <td>Negative ▾</td> </tr> <tr> <td>$-120 \div 10$</td> <td>Negative ▾</td> </tr> </tbody> </table>	Expression	Value	$-3 \cdot \frac{1}{5}$	Negative ▾	$-9 \cdot -4$	Positive ▾	$7 \div -9$	Negative ▾	$-120 \div 10$	Negative ▾	7.NS.A.2	1
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$-3 \cdot \frac{1}{5}$	Negative ▾												
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$-120 \div 10$	Negative ▾												

OTT - Part 2

Question #	Answer Key	Alignment with Standards	Depth of Knowledge
9	B	7.EE.B.4	2
10	B	7.RP.A.2	1
11	C	7.RP.A.2	1
12	B	7.SP.C.5	2
13	A	7.EE.B.4	2
14	B	7.G.B.4	2
15	B	7.SP.A.1	2
16	D	7.G.A.1	2
17	B	7.RP.A.1	1
18	D	7.RP.A.3	2
19	B, C	7.SP.C.7	2