



MATHEMATICS SUMMARY TABLE

Grade 6

The summary tables below are to be used with the grade 6 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	C	6.EE.B.5	2
2	B	6.EE.B.7	2
3	B	6.NS.A.1	1
4	C	6.RP.A.3	2
5	C	6.NS.B.3	1
6	B	6.NS.B.2	1
7	B, C, F	6.EE.B.6	2
8	8	6.NS.B.4	1
9	21	6.RP.A.1	2

Paper-Based Item Sampler - Part 2

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

Question #	Answer Key	Alignment with Standards	Depth of Knowledge
17	A, D	6.EE.A.2	2

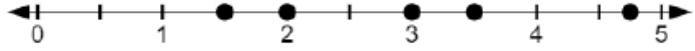
OTT - Part 1

Question #	Answer Key	Alignment with Standards	Depth of Knowledge																
1	C	6.EE.B.5	2																
2	B	6.EE.B.7	2																
3	B	6.NS.A.1	1																
4	<p style="text-align: center;">Basketballs</p>	6.RP.A.3	2																
5	C	6.NS.B.3	1																
6	B	6.NS.B.2	1																
7	B, C, F	6.EE.B.6	2																
8	8	6.NS.B.4	1																
9	21	6.RP.A.1	2																
10	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>$x + 4$</th> <th>$5x + 2$</th> <th>$6x - 3$</th> </tr> </thead> <tbody> <tr> <td>$3x + 2(x + 1)$</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>$3 + (1 - x) + 2x$</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>$3(2x - 1)$</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </tbody> </table>		$x + 4$	$5x + 2$	$6x - 3$	$3x + 2(x + 1)$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	$3 + (1 - x) + 2x$	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	$3(2x - 1)$	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	7.EE.A.1	2
	$x + 4$	$5x + 2$	$6x - 3$																
$3x + 2(x + 1)$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																
$3 + (1 - x) + 2x$	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
$3(2x - 1)$	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																

Question #	Answer Key	Alignment with Standards	Depth of Knowledge												
11	<table border="1"> <tr> <td>$6.46 = 6.460$</td> <td>True ▾</td> </tr> <tr> <td>$48 > 48.5$</td> <td>False ▾</td> </tr> <tr> <td>$30 < 29.999$</td> <td>False ▾</td> </tr> <tr> <td>$11.05 < 11.50$</td> <td>True ▾</td> </tr> <tr> <td>$14.15 < 15.14$</td> <td>True ▾</td> </tr> <tr> <td>$0.0912 > 0.912$</td> <td>False ▾</td> </tr> </table>	$6.46 = 6.460$	True ▾	$48 > 48.5$	False ▾	$30 < 29.999$	False ▾	$11.05 < 11.50$	True ▾	$14.15 < 15.14$	True ▾	$0.0912 > 0.912$	False ▾	5.NBT.A.3	1
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$0.0912 > 0.912$	False ▾														
12		5.NBT.A.3.a	1												
13		5.MD.B.3	2												

OTT - Part 2

Question #	Answer Key	Alignment with Standards	Depth of Knowledge
14	C	6.G.A.4	2
15	C	6.G.A.1	1
16	B	6.SP.A.2	2
17	C	6.SP.B.5	2
18	B	6.EE.A.3	2
19	C	6.NS.C.7	1
20	C	6.EE.A.1	1
21	A, D	6.EE.A.2	2

Question #	Answer Key	Alignment with Standards	Depth of Knowledge
22	77	6.G.A.1	2
23		6.SP.B.4	2