MATHEMATICS SUMMARY TABLE
Grade 4

The summary tables below are to be used with the grade 4 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.
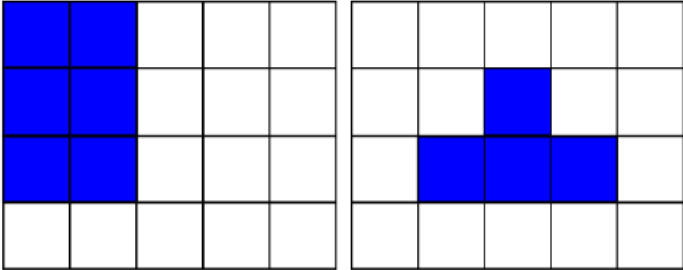
Paper-Based Item Sampler - Part 1

Question #	Answer Key	Alignment with Standards	Depth of Knowledge
1	B	4.G.A.1	1
2	C	4.NF.A.2	2
3	D	4.MD.A.1	2
4	B	4.NF.B.3	2
5	B	4.NF.A.1	1
6	B	4.NBT.A.1	2
7	C	4.NF.B.4	2
8	C	4.OA.B.4	1

Paper-Based Item Sampler - Part 2

Question #	Answer Key	Alignment with Standards	Depth of Knowledge
9	B	4.G.A.2	1
10	D	4.NF.C.5	2
11	B	4.OA.A.3	2
12	A	4.MD.B.5	1
13	C	4.OA.A.2	2
14	C	4.NBT.A.3	1
15	D	4.G.A.3	1
16	A	4.OA.A.1	1
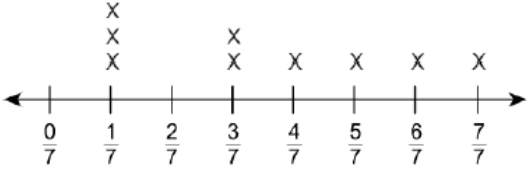
Question #	Answer Key	Alignment with Standards	Depth of Knowledge
17	25734	4.NBT.A.2	1

OTT - Part 1

Question #	Answer Key	Alignment with Standards	Depth of Knowledge
1	B	4.G.A.1	1
2	C	4.NF.A.2	2
3	D	4.MD.A.1	2
4	B	4.NF.B.3	2
5	B	4.NF.A.1	1
6	B	4.NBT.A.1	2
7	C	4.NF.B.4	2
8	C	4.OA.B.4	1
9	2/3 (or equivalent fraction)	4.NF.B.3	2
10	Note: These are just two of many possible correct answers. Any shape with a perimeter of 10 should be considered correct.	3.MD.D.10	1

OTT - Part 2

Question #	Answer Key	Alignment with Standards	Depth of Knowledge
11	B	4.G.A.2	1
12	D	4.NF.C.5	2
13	B	4.OA.A.3	2
14	A	4.MD.B.5	1
15	C	4.OA.A.2	2

Question #	Answer Key	Alignment with Standards	Depth of Knowledge
16	C	4.NBT.A.3	1
17	D	4.G.A.3	1
18	A	4.OA.A.1	1
19	25734	4.NBT.A.2	1
20	$\dfrac{5}{6}$ $<$ $\dfrac{6}{5}$ $\dfrac{3}{8}$ $>$ $\dfrac{1}{4}$ 1.5 $>$ 1.49 0.7 $=$ $\dfrac{7}{10}$ 2.45 $<$ 2.451 $\dfrac{1}{2}$ $=$ $\dfrac{3}{6}$	4.NF.A.2	2
21	 Ring Tosses Made	5.MD.B.3	2
22	$6.46 = 6.460$ — 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