

Grade 3 Mathematics Standard Coverage

Reporting Category	Standard	% of Test
Operations, Algebraic Thinking, and Numbers in Base Ten	MAFS.3.OA.1.1	48
	MAFS.3.OA.1.2	
	MAFS.3.OA.1.3	
	MAFS.3.OA.1.4	
	MAFS.3.OA.2.5	
	MAFS.3.OA.2.6	
	MAFS.3.OA.3.7	
	MAFS.3.OA.4.8	
	MAFS.3.OA.4.9	
	MAFS.3.NBT.1.1	
	MAFS.3.NBT.1.2	
	MAFS.3.NBT.1.3	
Numbers and Operations - Fractions	MAFS.3.NF.1.1 Also Assesses MAFS.3.G.1.2	17
	MAFS.3.NF.1.2	
	MAFS.3.NF.1.3	
Measurement, Data, and Geometry	MAFS.3.MD.1.1	35
	MAFS.3.MD.1.2	
	MAFS.3.MD.2.3	
	MAFS.3.MD.2.4	
	MAFS.3.MD.3.7 Also Assesses MAFS.3.MD.3.5 and MAFS.3.MD.3.6	
	MAFS.3.MD.4.8	
	MAFS.3.G.1.1	
Total Standard Groupings	22	100

Critical areas of focus were included in the determination of the percentage for each reporting category.

Grade 4 Mathematics Standard Coverage

Reporting Category	Standard	% of Test
Operations and Algebraic Thinking	MAFS.4.OA.1.3	21
	MAFS.4.OA.1.1	
	MAFS.4.OA.1.2	
	MAFS.4.OA.2.4	
	MAFS.4.OA.3.5	
	MAFS.4.OA.1.b Also Assesses MAFS.4.OA.1.a	
Numbers and Operations in Base Ten	MAFS.4.NBT.1.1	21
	MAFS.4.NBT.1.2	
	MAFS.4.NBT.1.3	
	MAFS.4.NBT.2.4	
	MAFS.4.NBT.2.5	
	MAFS.4.NBT.2.6	
Numbers and Operations – Fractions	MAFS.4.NF.1.1	25
	MAFS.4.NF.1.2	
	MAFS.4.NF.2.3	
	MAFS.4.NF.2.4	
	MAFS.4.NF.3.5	
	MAFS.4.NF.3.6	
	MAFS.4.NF.3.7	
Measurement, Data, and Geometry	MAFS.4.MD.1.1	33
	MAFS.4.MD.1.2	
	MAFS.4.MD.1.3	
	MAFS.4.MD.2.4	
	MAFS.4.MD.3.5 Also Assesses MAFS.4.MD.3.6	
	MAFS.4.MD.3.7	
	MAFS.4.G.1.1	
	MAFS.4.G.1.2	
	MAFS.4.G.1.3	
Total Standard Groupings	28	100

Critical areas of focus were included in the determination of the percentage for each reporting category.

Grade 5 Mathematics Standard Coverage

Reporting Category	Standard	% of Test
Operations, Algebraic Thinking, and Fractions	MAFS.5.OA.1.1	39
	MAFS.5.OA.1.2	
	MAFS.5.OA.2.3	
	MAFS.5.NF.1.1	
	MAFS.5.NF.1.2	
	MAFS.5.NF.2.3	
	MAFS.5.NF.2.4 Also Assesses MAFS.5.NF.2.6	
	MAFS.5.NF.2.5	
	MAFS.5.NF.2.7	
Numbers and Operations in Base Ten	MAFS.5.NBT.1.1	28
	MAFS.5.NBT.1.2	
	MAFS.5.NBT.1.3	
	MAFS.5.NBT.1.4	
	MAFS.5.NBT.2.5	
	MAFS.5.NBT.2.6	
	MAFS.5.NBT.2.7	
Measurement, Data, and Geometry	MAFS.5.MD.1.1	33
	MAFS.5.MD.2.2	
	MAFS.5.MD.3.3 Also Assesses MAFS.5.MD.3.4	
	MAFS.5.MD.3.5	
	MAFS.5.G.1.1 Also Assesses MAFS.5.G.1.2	
	MAFS.5.G.2.3 Also Assesses MAFS.5.G.2.4	
Total Standard Groupings	22	100

Critical areas of focus were included in the determination of the percentage for each reporting category.

Grade 6 Mathematics Standard Coverage

Reporting Category	Standard Grouping	% of Test
Ratio & Proportional Relationships	MAFS.6.RP.1.1	15%
	MAFS.6.RP.1.2	
	MAFS.6.RP.1.3	
Expressions & Equations	MAFS.6.EE.1.1	30%
	MAFS.6.EE.1.2	
	MAFS.6.EE.1.3	
	MAFS.6.EE.1.4	
	MAFS.6.EE.2.5	
	MAFS.6.EE.2.6	
	MAFS.6.EE.2.7	
	MAFS.6.EE.2.8	
	MAFS.6.EE.3.9	
Geometry	MAFS.6.G.1.1	15%
	MAFS.6.G.1.2	
	MAFS.6.G.1.3	
	MAFS.6.G.1.4	
Statistics & Probability	MAFS.6.SP.1.1	19%
	MAFS.6.SP.1.2	
	MAFS.6.SP.1.3	
	MAFS.6.SP.2.4	
	MAFS.6.SP.2.5	
The Number System	MAFS.6.NS.1.1	21%
	MAFS.6.NS.2.2	
	MAFS.6.NS.2.3	
	MAFS.6.NS.2.4	
	MAFS.6.NS.3.5	
	MAFS.6.NS.3.6	
	Also Assesses MAFS.6.NS.3.8	
MAFS.6.NS.3.7		
Total Standard Groupings	28	100%

Critical areas of focus were included in the determination of the percentage for each reporting category.

Grade 7 Mathematics Standard Coverage

Reporting Category	Standard Grouping	% of Test
Ratio & Proportional Relationships	MAFS.7.RP.1.1	25%
	MAFS.7.RP.1.2	
	MAFS.7.RP.1.3	
Expressions & Equations	MAFS.7.EE.1.1	21%
	MAFS.7.EE.1.2	
	MAFS.7.EE.2.3	
	MAFS.7.EE.2.4	
Geometry	MAFS.7.G.1.1	23%
	MAFS.7.G.1.2	
	MAFS.7.G.1.3	
	MAFS.7.G.2.4	
	MAFS.7.G.2.5	
	MAFS.7.G.2.6	
Statistics & Probability	MAFS.7.SP.1.2 Also Assesses MAFS.7.SP.1.1	16%
	MAFS.7.SP.2.4 Also Assesses MAFS.7.SP.2.3	
	MAFS.7.SP.3.5	
	MAFS.7.SP.3.6	
	MAFS.7.SP.3.7 Also Assesses MAFS.7.SP.3.8	
The Number System	MAFS.7.NS.1.1	15%
	MAFS.7.NS.1.2	
	MAFS.7.NS.1.3	
Total Standard Groupings	21	100%

Critical areas of focus were included in the determination of the percentage for each reporting category.

Grade 8 Mathematics Standard Coverage

Reporting Category	Standard Grouping	% of Test
Expressions & Equations	MAFS.8.EE.1.1	30%
	MAFS.8.EE.1.2	
	MAFS.8.EE.1.3	
	MAFS.8.EE.1.4	
	MAFS.8.EE.2.5	
	MAFS.8.EE.2.6	
	MAFS.8.EE.3.7	
	MAFS.8.EE.3.8	
Functions	MAFS.8.F.1.1	25%
	MAFS.8.F.1.2	
	MAFS.8.F.1.3	
	MAFS.8.F.2.4	
	MAFS.8.F.2.5	
Geometry	MAFS.8.G.1.2 Also Assesses MAFS.8.G.1.1	27%
	MAFS.8.G.1.3	
	MAFS.8.G.1.4 Also Assesses MAFS.8.G.1.1	
	MAFS.8.G.1.5	
	MAFS.8.G.2.6	
	MAFS.8.G.2.7 Also Assesses MAFS.8.G.2.8	
	MAFS.8.G.3.9	
Statistics & Probability and The Number System	MAFS.8.SP.1.1	18%
	MAFS.8.SP.1.2	
	MAFS.8.SP.1.3	
	MAFS.8.SP.1.4	
	MAFS.8.NS.1.1	
	MAFS.8.NS.1.2	
Total Standard Groupings	26	100%

Critical areas of focus were included in the determination of the percentage for each reporting category.

Algebra 1 EOC Standard Coverage

Reporting Category	Standard Grouping	% of Test
Algebra and Modeling	MAFS.912.A-APR.1.1	41%
	MAFS.912.A-CED.1.1 Also Assesses MAFS.912.A-REI.2.3 and MAFS.912.A-CED.1.4	
	MAFS.912.A-CED.1.2 Also Assesses MAFS.912.A-REI.3.5, MAFS.912.A-REI.3.6, and MAFS.912.A-REI.4.12	
	MAFS.912.A-CED.1.3	
	MAFS.912.A-REI.1.1	
	MAFS.912.A-REI.2.4	
	MAFS.912.A-REI.4.11 Also Assesses MAFS.912.A-REI.4.10	
	MAFS.912.A-SSE.2.3 Also Assesses MAFS.912.A-SSE.1.1 and MAFS.912.A-SSE.1.2	
Functions and Modeling	MAFS.912.F-BF.2.3	40%
	MAFS.912.F-IF.1.2 Also Assesses MAFS.912.F-IF.1.1 and MAFS.912.F-IF.2.5	
	MAFS.912.F-IF.2.4 Also Assesses MAFS.912.F-IF.3.9	
	MAFS.912.F-IF.2.6 Also Assesses MAFS.912.S-ID.3.7	
	MAFS.912.F-IF.3.8 Also Assesses MAFS.912.A-APR.2.3 and MAFS.912.F-IF.3.7	
	MAFS.912.F-LE.1.1 Also Assesses MAFS.912.F-LE.2.5	
	MAFS.912.F-LE.1.2 Also Assesses MAFS.912.F-BF.1.1 and MAFS.912.F-IF.1.3	
	MAFS.912.F-LE.1.3	
Statistics and the Number System	MAFS.912.N-RN.1.2 Also Assesses MAFS.912.N-RN.2.3 and MAFS.912.N-RN.1.1	19%
	MAFS.912.S-ID.1.1	
	MAFS.912.S-ID.1.2 Also Assesses MAFS.912.S-ID.1.3	
	MAFS.912.S-ID.2.5	
	MAFS.912.S-ID.2.6 Also Assesses MAFS.912.S-ID.3.8 and MAFS.912.S-ID.3.9	
Total Standard Groupings	21	100%

Number and Quantity: MAFS.912.N-Q.1.1, MAFS.912.N-Q.1.2 and MAFS.912.N-Q.1.3 are assessed throughout.

Critical areas of focus were included in the determination of the percentage for each reporting category.

Geometry EOC Standard Coverage

Reporting Category	Standard Grouping	% of Test
Congruence, Similarity, Right Triangles and Trigonometry	MAFS.912.G-CO.1.1	46%
	MAFS.912.G-CO.1.2 Also Assesses MAFS.912.G-CO.1.4	
	MAFS.912.G-CO.1.5 Also Assesses MAFS.912.G-CO.1.3	
	MAFS.912.G-CO.2.6 Also Assesses MAFS.912.G-CO.2.7 and MAFS.912.G-CO.2.8	
	MAFS.912.G-CO.3.9	
	MAFS.912.G-CO.3.10	
	MAFS.912.G-CO.3.11	
	MAFS.912.G-CO.4.12 Also Assesses MAFS.912.G-CO.4.13	
	MAFS.912.G-SRT.1.1	
	MAFS.912.G-SRT.1.2	
	MAFS.912.G-SRT.1.3 Also Assesses MAFS.912.G-SRT.2.4	
	MAFS.912.G-SRT.2.5	
	MAFS.912.G-SRT.3.8 Also Assesses MAFS.912.G-SRT.3.6 and MAFS.912.G-SRT.3.7	
Circles, Geometric Measurement and Geometric Properties with Equations	MAFS.912.G-C.1.1	38%
	MAFS.912.G-C.1.2	
	MAFS.912.G-C.1.3	
	MAFS.912.G-C.2.5	
	MAFS.912.G-GMD.1.1	
	MAFS.912.G-GMD.1.3	
	MAFS.912.G-GMD.2.4	
	MAFS.912.G-GPE.1.1	
	MAFS.912.G-GPE.2.4	
	MAFS.912.G-GPE.2.5	
	MAFS.912.G-GPE.2.6	
MAFS.912.G-GPE.2.7		
Modeling with Geometry	MAFS.912.G-MG.1.1	16%
	MAFS.912.G-MG.1.2	
	MAFS.912.G-MG.1.3	
Total Standard Groupings	28	100%

Critical areas of focus were included in the determination of the percentage for each reporting category.

Algebra 2 EOC Standard Coverage

Reporting Category	Standard Grouping	% of Test
Algebra and Modeling	MAFS.912.A-APR.1.1 Also Assesses MAFS.912.A-APR.3.4	36%
	MAFS.912.A-APR.4.6 Also Assesses MAFS.912.A-APR.2.2	
	MAFS.912.A-CED.1.1 Also Assesses MAFS.912.A-REI.1.2 and MAFS.912.A-CED.1.4	
	MAFS.912.A-CED.1.2 Also Assesses MAFS.912.A-CED.1.3, MAFS.912.A-REI.3.6, and MAFS.912.A-REI.3.7	
	MAFS.912.A-REI.1.1	
	MAFS.912.A-REI.4.11	
	MAFS.912.A-SSE.2.3 Also Assesses MAFS.912.A-SSE.1.1 and MAFS.912.A-SSE.1	
	MAFS.912.N-CN.3.7 Also Assesses MAFS.912.A-REI.2.4	
Functions and Modeling	MAFS.912.F-BF.1.2 Also Assesses MAFS.912.F-BF.1.1, and MAFS.912.A-SSE.2.4	36%
	MAFS.912.F-BF.2.3	
	MAFS.912.F-BF.2.4	
	MAFS.912.F-IF.2.4 Also Assesses MAFS.912.F-IF.3.9, MAFS.912.F-IF.2.5, and MAFS.912.F-LE.2.5	
	MAFS.912.F-IF.3.8 Also Assesses MAFS.912.A-APR.2.3, MAFS.912.F-IF.2.6, and MAFS.912.F-IF.3.7	
	MAFS.912.F-LE.1.4 Also Assesses MAFS.912.F-BF.2.a	
	MAFS.912.F-TF.1.2 Also Assesses MAFS.912.F-TF.1.1 and MAFS.912.F-TF.3.8	
	MAFS.912.F-TF.2.5	
Statistics, Probability, and the Number System	MAFS.912.N-CN.1.2 Also Assesses MAFS.912.N-CN.1.1	28%
	MAFS.912.N-RN.1.2 Also Assesses MAFS.912.N-RN.1.1	
	MAFS.912.S-CP.1.1	
	MAFS.912.S-CP.1.5 Also Assesses MAFS.912.S-CP.1.4, MAFS.912.S-CP.1.2, MAFS.912.S-CP.1.3, and MAFS.912.S-CP.2.6	
	MAFS.912.S-CP.2.7	
	MAFS.912.S-IC.1.1	
	MAFS.912.S-IC.2.3 Also Assesses MAFS.912.S-IC.2.4, MAFS.912.S-IC.2.5, MAFS.912.S-IC.1.2, and MAFS.912.S-IC.2.6	
	MAFS.912.S-ID.1.4	
Total Standard Groupings	25	100%

Number and Quantity: MAFS.912.N-Q.1.2 is assessed throughout.

Critical areas of focus were included in the determination of the percentage for each reporting category.

Percentage of Points by Depth of Knowledge Level

Grade/Course	DOK Level 1	DOK Level 2	DOK Level 3
3 – 8	10% - 20%	60% - 80%	10% - 20%
Algebra 1	10% - 20%	60% - 80%	10% - 20%
Algebra 2	10% - 20%	60% - 80%	10% - 20%
Geometry	10% - 20%	60% - 80%	10% - 20%

Test Length

This table provides the approximate range for the number of items on each test.

Grade/Course	Number of Items
3	60 – 64
4	60 – 64
5	60 – 64
6	62 – 66
7	62 – 66
8	62 – 66
Algebra 1	64 – 68
Algebra 2	64 – 68
Geometry	64 – 68

Note: Approximately 6 – 10 items on all of the tests listed above are experimental (field test) and are included in the ranges above but are not included in students’ scores.

Critical areas of focus were included in the determination of the percentage for each reporting category.