

2009 Mathematics Tests Standard and Performance Indicator Map with Answer Key Grade 5

Question	Type	Points	Strand	Content Performance Indicator	Answer Key
Book 1					
1	Multiple Choice	1	Measurement	5.M01 Use a ruler to measure to the nearest inch, 1/2, 1/4, and 1/8 inch	D
2	Multiple Choice	1	Number Sense and Operations	5.N01 Read and write whole numbers to millions	C
3	Multiple Choice	1	Geometry	5.G01 Calculate the perimeter of regular and irregular polygons	D
4	Multiple Choice	1	Algebra	4.A02 Use the symbols $<$, $>$, $=$, and \neq (with and without the use of a number line) to compare whole numbers and unit fractions and decimals (up to hundredths)	A
5	Multiple Choice	1	Number Sense and Operations	5.N08 Read, write, and order decimals to thousandths	C
6	Multiple Choice	1	Geometry	5.G11 Identify and draw lines of symmetry of basic geometric shapes	D
7	Multiple Choice	1	Algebra	4.A02 Use the symbols $<$, $>$, $=$, and \neq (with and without the use of a number line) to compare whole numbers and unit fractions and decimals (up to hundredths)	D
8	Multiple Choice	1	Statistics and Probability	4.S04 Read and interpret line graphs	B
9	Multiple Choice	1	Number Sense and Operations	5.N01 Read and write whole numbers to millions	D
10	Multiple Choice	1	Geometry	5.G04 Classify quadrilaterals by properties of their angles and sides	C
11	Multiple Choice	1	Number Sense and Operations	4.N10 Develop an understanding of decimals as part of a whole	A
12	Multiple Choice	1	Number Sense and Operations	5.N16 Use a variety of strategies to multiply three-digit by three-digit numbers	D
13	Multiple Choice	1	Geometry	5.G06 Classify triangles by properties of their angles and sides	A
14	Multiple Choice	1	Algebra	5.A06 Evaluate the perimeter formula for given input values	D
15	Multiple Choice	1	Geometry	5.G03 Identify the ratio of corresponding sides of similar triangles	A
16	Multiple Choice	1	Measurement	5.M05 Convert measurement within a given system	D

2009 Mathematics Tests Standard and Performance Indicator Map with Answer Key
Grade 5 (continued)

Question	Type	Points	Strand	Content Performance Indicator	Answer Key
Book 1 (continued)					
17	Multiple Choice	1	Statistics and Probability	4.S04 Read and interpret line graphs	D
18	Multiple Choice	1	Number Sense and Operations	5.N05 Compare and order fractions including unlike denominators (with and without the use of a number line) Note: Commonly used fractions such as those that might be indicated on ruler, measuring cup, etc.	A
19	Multiple Choice	1	Number Sense and Operations	5.N23 Use a variety of strategies to add, subtract, multiply, and divide decimals to thousandths	C
20	Multiple Choice	1	Geometry	5.G05 Know that the sum of the interior angles of a quadrilateral is 360 degrees	A
21	Multiple Choice	1	Measurement	5.M07 Calculate elapsed time in hours and minutes	D
22	Multiple Choice	1	Number Sense and Operations	4.N23 Add and subtract proper fractions with common denominators	A
23	Multiple Choice	1	Number Sense and Operations	5.N17 Use a variety of strategies to divide three-digit numbers by one- and two-digit numbers	C
24	Multiple Choice	1	Geometry	5.G09 Identify pairs of congruent triangles	D
25	Multiple Choice	1	Number Sense and Operations	5.N13 Calculate multiples of a whole number and the least common multiple of two numbers	B
26	Multiple Choice	1	Statistics and Probability	5.S03 Calculate the mean for a given set of data and use to describe a set of data	A
Book 2					
27	Short Response	2	Geometry	5.G08 Find a missing angle when given two angles of a triangle	n/a
28	Short Response	2	Number Sense and Operations	5.N23 Use a variety of strategies to add, subtract, multiply, and divide decimals to thousandths	n/a
29	Short Response	2	Measurement	5.M08 Measure and draw angles using a protractor	n/a
30	Short Response	2	Algebra	5.A08 Create algebraic or geometric patterns using concrete objects or visual drawings (e.g., rotate and shade geometric shapes)	n/a
31	Extended Response	3	Geometry	5.G04 Classify quadrilaterals by properties of their angles and sides	n/a
32	Extended Response	3	Number Sense and Operations	5.N08 Read, write, and order decimals to thousandths	n/a
33	Extended Response	3	Statistics and Probability	5.S04 Formulate conclusions and make predictions from graphs	n/a
34	Extended Response	3	Geometry	5.G01 Calculate the perimeter of regular and irregular polygons	n/a