2008 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	Number Sense and Operations	5.N03 Understand the place value structure of the base ten number system 10 ones = 1 ten 10 tens = 1 hundred 10 hundreds = 1 thousand 10 thousands = 1 ten thousand 10 ten thousands = 1 hundred thousand 10 hundred thousands = 1 million	C
2	Multiple Choice	1	Geometry	4.G07 Identify points and rays when drawing angles	D
3	Multiple Choice	1	Number Sense and Operations	5.N11 Understand that percent means part of 100, and write percents as fractions and decimals	C
4	Multiple Choice	1	Number Sense and Operations	4.N19 Use a variety of strategies to multiply two-digit numbers by two-digit numbers (with and without regrouping)	D
5	Multiple Choice	1	Algebra	4.A02 Use the symbols <, >, =, and ≠ (with and without the use of a number line) to compare whole numbers and unit fractions and decimals (up to hundredths)	D
6	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	B
7	Multiple Choice	1	Number Sense and Operations	4.N08 Recognize and generate equivalent fractions (halves, fourths, thirds, fifths, sixths, and tenths) using manipulatives, visual models, and illustrations	C
8	Multiple Choice	1	Number Sense and Operations	4.N25 Add and subtract decimals to tenths and hundredths using a hundreds chart	B
9	Multiple Choice	1	Geometry	5.G11 Identify and draw lines of symmetry of basic geometric shapes	D
10	Multiple Choice	1	Measurement	5.M07 Calculate elapsed time in hours and minutes	D
11	Multiple Choice	1	Geometry	5.G09 Identify pairs of congruent triangles	C
12	Multiple Choice	1	Algebra	5.A07 Create and explain patterns and algebraic relationships (e.g., 2,4,6,8...) algebraically: 2n (doubling)	C
13	Multiple Choice	1	Number Sense and Operations	5.N22 Add and subtract mixed numbers with like denominators	B
14	Multiple Choice	1	Geometry	5.G01 Calculate the perimeter of regular and irregular polygons	A
15	Multiple Choice	1	Number Sense and Operations	4.N11 Read and write decimals to hundredths using money as a context	A

Question	Type	Points	Strand	Content Performance Indicator	Answer Key
Book 1 (continued)					
16	Multiple Choice	1	Algebra	5.A06 Evaluate the perimeter formula for given input values	D
17	Multiple Choice	1	Number Sense and Operations	5.N18 Evaluate an arithmetic expression using order of operations including multiplication, division, addition, subtraction, and parentheses	B
18	Multiple Choice	1	Measurement	5.M05 Convert measurement within a given system	B
19	Multiple Choice	1	Statistics and Probability	5.S02 Display data in a line graph to show an increase or decrease over time	D
20	Multiple Choice	1	Number Sense and Operations	5.N09 Compare fractions using <, >, or =	A
21	Multiple Choice	1	Number Sense and Operations	5.N24 Round numbers to the nearest hundredth and up to 10,000	C
22	Multiple Choice	1	Geometry	5.G09 Identify pairs of congruent triangles	A
23	Multiple Choice	1	Number Sense and Operations	4.N23 Add and subtract proper fractions with common denominators	D
24	Multiple Choice	1	Geometry	5.G01 Calculate the perimeter of regular and irregular polygons	C
25	Multiple Choice	1	Number Sense and Operations	5.N20 Convert improper fractions to mixed numbers, and mixed numbers to improper fractions	B
26	Multiple Choice	1	Geometry	5.G02 Identify pairs of similar triangles	A
Book 2					
27	Short Response	2	Statistics and Probability	5.S03 Calculate the mean for a given set of data and use to describe a set of data	n/a
28	Extended Response	3	Algebra	5.A07 Create and explain patterns and algebraic relationships (e.g., 2,4,6,8...) algebraically: 2n (doubling)	n/a
29	Short Response	2	Measurement	5.M08 Measure and draw angles using a protractor	n/a
30	Extended Response	3	Number Sense and Operations	5.N11 Understand that percent means part of 100, and write percents as fractions and decimals	n/a
31	Short Response	2	Geometry	5.G11 Identify and draw lines of symmetry of basic geometric shapes	n/a
32	Extended Response	3	Statistics and Probability	4.S04 Read and interpret line graphs	n/a
33	Short Response	2	Measurement	5.M03 Measure to the nearest centimeter	n/a
34	Extended Response	3	Geometry	5.G01 Calculate the perimeter of regular and irregular polygons	n/a