2010 Mathematics Tests Standard and Performance Indicator Map with Answer Key
Grade 3

Question	Type	Points	Strand	Content Performance Indicator	Answer Key
Book 1					
1	Multiple Choice	1	Measurement	3.M02 Use a ruler/yardstick to measure to the nearest standard unit (whole and 1/2 inches, whole feet, and whole yards)	D
2	Multiple Choice	1	Number Sense and Operations	3.N02 Read and write whole numbers to 1,000	C
3	Multiple Choice	1	Number Sense and Operations	3.N18 Use a variety of strategies to add and subtract 3-digit numbers (with and without regrouping)	D
4	Multiple Choice	1	Number Sense and Operations	3.N16 Identify odd and even numbers	C
5	Multiple Choice	1	Geometry	3.G03 Name, describe, compare, and sort three-dimensional shapes: cube, cylinder, sphere, prism, and cone	B
6	Multiple Choice	1	Number Sense and Operations	3.N04 Understand the place value structure of the base ten number system: 10 ones = 1 ten 10 tens = 1 hundred 10 hundreds = 1 thousand	D
7	Multiple Choice	1	Measurement	3.M07 Count and represent combined coins and dollars, using currency symbols ($0.00)	C
8	Multiple Choice	1	Geometry	3.G02 Identify congruent and similar figures	A
9	Multiple Choice	1	Number Sense and Operations	3.N19 Develop fluency with single-digit multiplication facts	C
10	Multiple Choice	1	Number Sense and Operations	3.N21 Use the area model, tables, patterns, arrays, and doubling to provide meaning for multiplication	A
11	Multiple Choice	1	Number Sense and Operations	3.N08 Use the zero property of multiplication	A
12	Multiple Choice	1	Number Sense and Operations	3.N27 Check reasonableness of an answer by using estimation	C
13	Multiple Choice	1	Number Sense and Operations	3.N24 Develop strategies for selecting the appropriate computational and operational method in problem solving situations	D
14	Multiple Choice	1	Number Sense and Operations	3.N06 Use and explain the commutative property of addition and multiplication	B
15	Multiple Choice	1	Algebra	3.A02 Describe and extend numeric (+, −) and geometric patterns	A

Question	Type	Points	Strand	Content Performance Indicator	Answer Key
Book 1 (continued)					
16	Multiple Choice	1	Number Sense and Operations	3.N11 Use manipulatives, visual models, and illustrations to name and represent unit fractions (1/2, 1/3, 1/4, 1/5, 1/6, and 1/10) as part of a whole or a set of objects	D
17	Multiple Choice	1	Algebra	3.A01 Use the symbols <, >, = (with and without the use of a number line) to compare whole numbers and unit fractions (1/2, 1/3, 1/4, 1/5, 1/6, and 1/10)	B
18	Multiple Choice	1	Measurement	3.M09 Tell time to the minute, using digital and analog clocks	A
19	Multiple Choice	1	Statistics and Probability	3.S07 Read and interpret data in bar graphs and pictographs	D
20	Multiple Choice	1	Measurement	3.M01 Select tools and units (customary) appropriate for the length measured	B
21	Multiple Choice	1	Geometry	3.G05 Identify and construct lines of symmetry	D
22	Multiple Choice	1	Number Sense and Operations	3.N12 Understand and recognize the meaning of numerator and denominator in the symbolic form of a fraction	A
23	Multiple Choice	1	Number Sense and Operations	3.N07 Use 1 as the identity element for multiplication	B
24	Multiple Choice	1	Number Sense and Operations	3.N22 Demonstrate fluency and apply single-digit division facts	D
25	Multiple Choice	1	Statistics and Probability	3.S08 Formulate conclusions and make predictions from graphs	D
Book 2					
26	Short Response	2	Number Sense and Operations	3.N18 Use a variety of strategies to add and subtract 3-digit numbers (with and without regrouping)	n/a
27	Short Response	2	Statistics and Probability	3.S05 Display data in pictographs and bar graphs	n/a
28	Short Response	2	Algebra	3.A02 Describe and extend numeric (+, −) and geometric patterns	n/a
29	Short Response	2	Geometry	3.G01 Define and use correct terminology when referring to shapes (circle, triangle, square, rectangle, rhombus, trapezoid, and hexagon)	n/a
30	Extended Response	3	Statistics and Probability	3.S07 Read and interpret data in bar graphs and pictographs	n/a
31	Extended Response	3	Number Sense and Operations	3.N18 Use a variety of strategies to add and subtract 3-digit numbers (with and without regrouping)	n/a