

Table of Contents

		SOL
Lesson 1	Thinking About Math	4
Lesson 2	Problem-Solving Strategies	8
Lesson 3	Compare and Order	10
Lesson 4	Prime and Composite Numbers	12
Lesson 5	Exponents	14
Lesson 6	LCM and GCF	16
Lesson 7	Compare Fractions	18
Lesson 8	Division with Decimals	20
Lesson 9	Add Fractions	22
Lesson 10	Subtract Fractions	24
Lesson 11	Multiply Fractions	26
Lesson 12	Divide Fractions	28
Lesson 13	Equivalent Forms	30
Lesson 14	Ratios	32
Lesson 15	Estimation	34
Lesson 16	Integers	36
Lesson 17	Length	38
Lesson 18	Weight and Mass	40
Lesson 19	Capacity	42
Lesson 20	Convert Measurements	44
Lesson 21	Angles	46
Lesson 22	Triangles	48
Lesson 23	Polygons	50
Lesson 24	Congruent and Similar	52
Lesson 25	Perimeter	54
Lesson 26	Area of Rectangles	56
Lesson 27	Area of Triangles	58
Lesson 28	Circumference and Area of Circles	60
Lesson 29	Bisect Line Segments	62
		SOL
		6.4
		6.3.b, 6.3.c
		6.22
		6.3.a
		6.4
		6.6.b
		6.6.a
		6.6.a
		6.6.a
		6.6.a
		6.1
		6.2
		6.7
		6.5
		6.9.a, 6.10
		6.9.b, 6.10
		6.9.c, 6.10
		6.9.a, 6.9.b, 6.9.c
		6.13.a, 6.13.b
		6.13.b, 6.14
		6.14
		6.15
		6.11
		6.11
		6.11
		6.12.a, 6.12.b
		6.16

Table of Contents

	SOL
Lesson 30 Bisect Angles	64
Lesson 31 Solid Figures	66
Lesson 32 Sequences	68
Lesson 33 Patterns	70
Lesson 34 Expressions and Equations	72
Lesson 35 Find the Mean	74
Lesson 36 Median, Mode, and Range.....	76
Lesson 37 Bar Graphs.....	78
Lesson 38 Line Graphs.....	80
Lesson 39 Circle Graphs	82
Lesson 40 Stem-and-Leaf Plots.....	84
Lesson 41 Box-and-Whisker Plots	86
Lesson 42 Multistep Problems	88
Lesson 43 Possible Outcomes.....	90
Lesson 44 Probability.....	92
Practice SOL Test 1	94
Practice SOL Test 2	106
Glossary	118
Practice SOL Test 1 Answer Sheet	127
Practice SOL Test 2 Answer Sheet	128

Note: The Virginia *Standards of Learning* put a heavy emphasis on problem solving, which is integrated throughout all six content strands. Similarly, the *Curriculum Framework* makes the application of problem-solving strategies, mathematical communication, and mathematical reasoning an essential component of every SOL. Therefore, developing problem-solving skills should be a major focus of mathematics instruction in Virginia.

This is the approach taken by *SOL Grand Slam*. Lesson 1 teaches SALSA™, a process for analyzing problems, thinking about them, and applying mathematical skills and knowledge. Lesson 2 reviews common problem-solving strategies. These strategies and SALSA™ are then interwoven throughout the book, leading to their continuous reinforcement.