



Math Teachers Press, Inc.

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VIRGINIA MATHEMATICS STANDARDS OF LEARNING CORRELATED TO *MOVING WITH MATH EXTENSIONS 2nd Edition Grade 5*

		Lesson Plan/ Student Book	Skill Builders
NUMBER AND NUMBER SENSE			
5.1	The student, given a decimal through thousandths, will round to the nearest whole number, tenth or hundredth.	46	23-4
5.2	The student will		
a.	represent and identify equivalencies among fractions and decimals, with and without models; and	42, 45, 76	25-1, 25-2
b.	compare and order fractions, mixed numbers, and/or decimals, in a given set, from least to greatest and greatest to least.	34, 44	13-1, 24-1, 24-2, 24-3
5.3	The student will		
a.	identify and describe the characteristics of prime and composite numbers; and	8	4-1
b.	identify and describe the characteristics of even and odd numbers.		
COMPUTATION AND ESTIMATION			
5.4	The student will create and solve single-step and multistep practical problems involving addition, subtraction, multiplication, and division of whole numbers.	13, 15-22, 24-27	6-1, 7-1, 8-1, 8-3, 8-4, 8-5, 9-1 to 9-3, 10-1, 10-4, 10-5, 28-4, 28-5, 45-4, 45-5
5.5	The student will		
a.	estimate and determine the product and quotient of two numbers involving decimals; and	48, 49, 77, 78, 79, 81	27-1, 27-2, 28-1, 28-2, 28-3
b.	create and solve single-step and multistep practical problems involving addition, subtraction, and multiplication of decimals, and create and solve single-step practical problems involving division of decimals.	47-49, 78, 79	26-1, 26-2, 27-1, 27-2, 28-1, 28-3, 45-6, 47-1
5.6	The student will		
a.	solve single-step and multistep practical problems involving addition and subtraction with fractions and mixed numbers; and	35, 36, 38, 39, 69, 70	15-1, 15-2, 16-2, 17-1 to 17-3, 18-1 to 18-3
b.	solve single-step practical problems involving multiplication of a whole number, limited to 12 or less, and a proper fraction, with models.	40	19-1, 19-3, 19-6, 19-7, 19-8
5.7	The student will simplify whole number numerical expressions using the order of operations.	12	56-3, 56-4
MEASUREMENT AND GEOMETRY			
5.8	The student will		
a.	solve practical problems that involve perimeter, area and volume in standard units of measure; and	59, 63, 89	38-1, 39-1, 39-2

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b.	differentiate among perimeter, area, and volume and identify whether the application of the concept of perimeter, area, or volume is appropriate for a given situation.	88	
5.9	The student will		
a.	given the equivalent measure of one unit, identify equivalent measurements within the metric system; and		36-2, 41-2, 42-1
b.	solve practical problems involving length, mass, and liquid volume using metric units.		36-2, 41-2, 42-1
5.10	The student will identify and describe the diameter, radius, chord, and circumference of a circle.		35-1
5.11	The student will solve practical problems related to elapsed time in hours and minutes within a 24-hour period.		
5.12	The student will classify and measure right, acute, obtuse, and straight angles.	52	33-1, 37-1
5.13	The student will		
a.	classify triangles as right, acute, or obtuse and equilateral, scalene, or isosceles; and	82	34-3
b.	investigate the sum of the interior angles in a triangle and determine an unknown angle measure.	86	55-1
5.14	The student will		
a.	recognize and apply transformations, such as translation, reflection, and rotation; and		
b.	investigate and describe the results of combining and subdividing polygons.		
	PROBABILITY AND STATISTICS		
5.15	The student will determine the probability of an outcome by constructing a sample space or using the Fundamental (Basic) Counting Principle.		
5.16	The student, given a practical problem, will		
a.	represent data in line plots and stem-and-leaf plots;	96	
b.	interpret data represented in line plots and stem-and-leaf plots; and	96	47-2
c.	compare data represented in a line plot with the same data represented in a stem-and-leaf plot.		
5.17	The student, given a practical context, will		
a.	describe the mean, median, and mode as measures of center;	23, 95	46-1, 46-2
b.	describe mean as fair share;	23	46-1
c.	describe the range of a set of data as a measure of spread; and	95	
d.	determine the mean, median, mode, and range of a set of data.	23, 95	46-1, 46-2
	PATTERNS, FUNCTIONS, AND ALGEBRA		
5.18	The student will identify, describe, create, express, and extend number patterns found in objects, pictures, numbers and tables.	92-94	44-1, 44-3
5.19	The student will		
a.	investigate and describe the concept of a variable;	10, 11	56-5
b.	write an equation to represent a given mathematical relationship, using a variable;	72, 92	56-1, 56-6
c.	use an expression with a variable to represent a given verbal expression involving one operation; and	10, 11	56-2, 56-5, 56-7, 56-8
d.	create a problem situation based on a given equation, using a single variable and one operation.		