Math Teachers Press, Inc.
4850 Park Glen Road, Minneapolis, MN 55416
phone (800) 852-2435 fax (952) 546-7502

VIRGINIA MATHEMATICS STANDARDS OF LEARNING CORRELATED TO *MOVING WITH MATH EXTENSIONS 2nd Edition GRADE 3*

		Lesson Plan/ Student Book	Skill Builders
	NUMBER AND NUMBER SENSE		
3.1	The student will		
a.	read, write, and identify the place and value of each digit in a six-digit whole number, with and without models;		
b.	round whole numbers, 9,999 or less, to the nearest ten, hundred, and thousand; and	9, 10	7-1, 8-1
c.	compare and order whole numbers, each 9,999 or less.	3, 4	2-1, 2-2, 2-3
3.2	The student will		
a.	name and write fractions and mixed numbers represented by a model;	43, 44, 69, 70	30-1, 30-2, 30-3, 30-4, 31-1, 32-2, 32-3
b.	represent fractions and mixed numbers, with models and symbols; and	43-47	30-1, 30-2, 32-1
c.	compare fractions having like and unlike denominators, using words and symbols (>, <, =, or ≠), with models.	46, 48	32-1, 32-2, 32-4, 32-5
	COMPUTATION AND ESTIMATION		
3.3	The student will		
a.	estimate and determine the sum or difference of two whole numbers; and	11, 12, 14-22	10-1 to 10-5, 10-8, 12-1, 15-1 to 15-4, 15-6, 15-7, 15-12, 15-14, 16-1, 17-1
b.	create and solve single-step and multistep practical problems involving sums or differences of two whole numbers, each 9,999 or less.	11, 12, 14-24	10-1 to 10-6, 15-1 to 15-4, 15-6, 15-8, 15-9, 15-10, 15-11, 17-1
3.4	The student will		
a.	represent multiplication and division through 10 x 10, using a variety of approaches and models;	25-32, 36-40	20-1 to 20-16, 25-1 to 25-13, 25-15 to 25-20
b.	create and solve single-step practical problems that involve multiplication and division through 10 x 10;	26-28, 30-32, 37-39	20-1, 20-2, 20-3, 20-10, 20-15, 20-16, 25-1, 25-2, 25-4, 25-7, 25-8, 25-11, 25-12, 25-15, 25-16, 25-20, 26-1, 48-1, 48-2, 49-1, 49-3, 49-4
c.	demonstrate fluency with multiplication facts of 0, 1, 2, 5, and 10; and	28, 29	20-2, 20-4, 20-5, 22-1

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d.	solve single-step practical problems involving multiplication of whole numbers, where one factor is 99 or less and the second factor is 5 or less.		33, 34, 35		21-1, 21-2, 22-1, 22-2, 22-4
3.5	The student will solve practical problems that involve addition and subtraction with proper fractions having like denominators of 12 or less.				
	MEASUREMENT AND GEOMETRY				
3.6	The student will				
a.	determine the value of a collection of bills and coins whose total value is $5.00 or less;				
b.	compare the value of two sets of coins or two sets of coins and bills; and				
c.	make change from $5.00 or less.				
3.7	The student will estimate and use U.S. Customary and metric units to measure				
a.	length to the nearest 1/2-inch, inch, foot, yard, centimeter, and meter;		53, 54		43-1 to 43-4, 45-1
b.	liquid volume in cups, pints, quarts, gallons, and liters;		57		44-2, 45-3
3.8	The student will estimate and				
a.	measure the distance around a polygon in order to determine its perimeter using U.S. Customary and metric units; and		58, 59		46-1, 46-4
b.	count the number of square units needed to cover a given surface in order to determine its area.		60		46-3, 46-6, 46-7, 46-10
3.9	The student will				
a.	tell time to the nearest minute, using analog and digital clocks;				41-3
b.	solve practical problems related to elapsed time in one-hour increments within a 12-hour period; and		73		41-2, 41-4
c.	identify equivalent periods of time and solve practical problems related to equivalent periods of time.				41-3
3.10	The student will read temperature to the nearest degree.				42-1
3.11	The student will identify and draw representations of points, lines, line segments, rays, and angles.		49, 50, 74		35-1 to 35-4, 36-1, 37-1, 37-2
3.12	The student will				
a.	define polygon;		75		39-2
b.	identify and name polygons with 10 or fewer sides; and		75, 76		39-2 to 39-8
c.	combine and subdivide polygons with three or four sides and name the resulting polygon(s).				
3.13	The student will identify and describe congruent and noncongruent plane figures.				39-1
	PROBABILITY AND STATISTICS				
3.14	The student will investigate and describe the concept of probability as a measurement of chance and list possible outcomes for a single event.				50-3
3.15	The student will				
a.	collect, organize, and represent data in pictographs or bar graphs; and		63, 64		50-4
b.	read and interpret data represented in pictographs and bar graphs.		64, 64		50-1, 50-2, 50-4

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	PATTERNS, FUNCTIONS, AND ALGEBRA				
3.16	The student will identify, describe, create, and extend patterns found in objects, pictures, numbers and tables.		5, 65, 66		3-1 to 3-4
3.17	The student will create equations to represent equivalent mathematical relationships.		29, 30, 67, 68		9-1, 9-2, 51-1 to 51-4, 52-1