



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-BY-TOPIC LEVEL B - 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;	BI: 28, 29, 32, 33	4-2, 5-1, 6-4, 6-5
b.	round whole numbers, 9,999 or less, to the nearest ten, hundred, and thousand; and	BI: 34-38	7-1, 7-2, 8-1, 8-2
c.	compare and order whole numbers, each 9,999 or less.	BI: 10, 11, 13, 22, 25	2-1, 2-2, 2-3
3.2	The student will		
a.	name and write fractions and mixed numbers represented by a model;	BIII: 3, 6-12	30-1, 30-2, 30-3, 31-1, 31-2
b.	represent fractions and mixed numbers, with models and symbols; and	BIII: 4, 5, 13	30-3
c.	compare fractions having like and unlike denominators, using words and symbols ($>$, $<$, $=$, or \neq), with models.	BIII: 16-18	32-1, 32-2, 32-3
COMPUTATION AND ESTIMATION			
3.3	The student will		
a.	estimate and determine the sum or difference of two whole numbers; and	BI: 43-47, 50, 52, 55-63, 70-73, 76-79	10-1 to 10-4, 12-1, 12-2, 15-1 to 15-4, 16-1, 16-2, 17-1, 17-2, 17-3, 18-1, 18-2
b.	create and solve single-step and multistep practical problems involving sums or differences of two whole numbers, each 9,999 or less.	BI: 44, 45, 50-53, 56, 57, 60-62, 65-69, 73-77	49-4, 49-5
3.4	The student will		
a.	represent multiplication and division through 10×10 , using a variety of approaches and models;	BII: 3-11, 15, 42-44, 46-51, 54	20-2, 25-2, 26-1
b.	create and solve single-step practical problems that involve multiplication and division through 10×10 ;	BII: 4, 9, 17, 45, 47, 55	20-1, 25-1, 48-1, 49-1
c.	demonstrate fluency with multiplication facts of 0, 1, 2, 5, and 10; and	BII: 5, 9, 10, 18	20-3, 20-4
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.	BII: 19, 22, 24, 25	48-2
3.5	The student will solve practical problems that involve addition and subtraction with proper fractions having like denominators of 12 or less.	BIII: 20, 25	34-5
MEASUREMENT AND GEOMETRY			
3.6	The student will		

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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.	BIII: 70	47-2
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;	BIII: 48-50, 52, 56	43-1, 43-3, 43-4
b.	liquid volume in cups, pints, quarts, gallons, and liters;	BIII: 53, 58	44-2, 45-2
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	BIII: 61-64	46-1, 46-2
b.	count the number of square units needed to cover a given surface in order to determine its area.	BIII: 65, 66	46-3
3.9	The student will		
a.	tell time to the nearest minute, using analog and digital clocks;		
b.	solve practical problems related to elapsed time in one-hour increments within a 12-hour period; and		41-3
c.	identify equivalent periods of time and solve practical problems related to equivalent periods of time.		
3.10	The student will read temperature to the nearest degree.	BIII: 46	42-2
3.11	The student will identify and draw representations of points, lines, line segments, rays, and angles.	BIII: 32, 34	35-1, 35-2
3.12	The student will		
a.	define polygon;		40-2
b.	identify and name polygons with 10 or fewer sides; and		40-2
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.	BIII: 39	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.	BIII: 76-79	50-3, 50-4
3.15	The student will		
a.	collect, organize, and represent data in pictographs or bar graphs; and	BIII: 74	
b.	read and interpret data represented in pictographs and bar graphs.	BIII: 72-75	50-1, 50-2
PATTERNS, FUNCTIONS, AND ALGEBRA			
3.16	The student will identify, describe, create, and extend patterns found in objects, pictures, numbers and tables.	BI: 12, 16	3-1
3.17	The student will create equations to represent equivalent mathematical relationships.	BIII: 8, 17	9-1, 9-2

BI: Numeration, Addition, Subtraction

BI: Multiplication & Division

BIII: Fractions, Geometry & Measurement