



Math Teachers Press, Inc.

4850 Park Glen Road, Minneapolis, MN 55416
 phone (800) 852-2435 fax (952) 546-7502

2016 VIRGINIA MATHEMATICS STANDARDS OF LEARNING CORRELATED TO MOVING WITH MATH FOUNDATIONS LEVEL B - GRADE 3

		B1 <i>Numeration, Addition & Subtraction</i> Teacher Guide Page/Student Book Page and Skill Builders (SB)	B2 <i>Multiplication & Division Basic Facts</i> Teacher Guide Page/Student Book Page and Skill Builders (SB)	B3 <i>Multiplication & Division - Problem Solving</i> Teacher Guide Page/Student Book Page and Skill Builders (SB)	B4 <i>Fractions, Decimals, Geometry, Measurement</i> Teacher Guide Page/Student Book Page and Skill Builders (SB)
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;	17, 18, 20, 21 SB: 5-2, 6-2			
b.	round whole numbers, 9,999 or less, to the nearest ten, hundred, and thousand; and	22-26 SB: 7-1, 7-2, 8-1, 8-2, 8-3			
c.	compare and order whole numbers, each 9,999 or less.	5, 6, 16 SB: 2-1, 2-2, 2-3			
3.2	The student will				
a.	name and write fractions and mixed numbers represented by a model;				2, 6-10, 20 SB: 30-1 to 30-6, 31-1, 31-2
b.	represent fractions and mixed numbers, with models and symbols; and				2, 6, 20 SB: 30-5, 30-8

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c.	compare fractions having like and unlike denominators, using words and symbols ($>$, $<$, $=$, or \neq), with models.				4, 13, 15 SB: 32-1, 32-4

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	COMPUTATION AND ESTIMATION				
3.3	The student will				
a.	estimate and determine the sum or difference of two whole numbers; and	30-38, 42-53, 56, 60, 61, 63, 71, 74 SB: 10-1 to 10-7, 10-9 to 10-14, 12-1, 15-1 to 15-12, 15-16, 16-1, 16-2, 17-1, 18-1			
b.	create and solve single-step and multistep practical problems involving sums or differences of two whole numbers, each 9,999 or less.	30-38, 42-53, 56, 63-65, 71 SB: 10-1 to 10-7, 10-9, 10-13, 15-1 to 15-9, 15-12, 15-13, 15-14, 15-18, 17-1			
3.4	The student will				
a.	represent multiplication and division through 10×10 , using a variety of approaches and models;		2-5, 8-16, 18, 21-32, 41-45, 47, 48, 50-52, 61-70 SB: 20-1, 20-2, 20-3, 20-5, 20-7 to 20-15, 25-1 to 25-12, 25-14	2-9, 11-13, 41-49, 52, 53, 55-57 SB: 20-19 to 20-22, 20-25, 20-26, 20-28, 25-17 to 25-25	
b.	create and solve single-step practical problems that involve multiplication and division through 10×10 ;		2-4, 8, 13-16, 21-27, 33, 34, 36, 37, 41-45, 47, 48, 50, 52, 61-65, 67, 68 SB: 20-2, 20-3, 20-4, 20-12, 20-13, 20-18, 24-1, 25-1 to 25-3, 25-8 to 25-12	2, 3, 5, 10, 14, 15, 41, 42, 46, 47, 55, 57 SB: 20-19, 20-22, 20-25, 20-27, 20-39, 25-18	

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c.	demonstrate fluency with multiplication facts of 0, 1, 2, 5, and 10; and		4, 5, 9, 13, 16, 18, 20, 52 SB: 20-8, 20-9	2-4, 7, 11 SB: 20-24, 20-34, 25-17, 25-23	
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.		2-4, 8, 13-16, 36, 41-45, 47, 48, 50, 52, 56, 57 SB: 20-2 to 20-4, 20-12, 20-13, 20-18, 22-1, 24-1	2, 3, 5, 10, 14, 15, 17-19, 21 SB: 21-4, 22-2	
3.5	The student will solve practical problems that involve addition and subtraction with proper fractions having like denominators of 12 or less.				17, 19 SB: 33-3, 33-4
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;	58 SB: 47-1			
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.	59 SB: 47-3			
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;				56, 57, 62, 63 SB: 43-1 to 43-4
b.	liquid volume in cups, pints, quarts, gallons, and liters;				60
3.8	The student will estimate and				

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a.	measure the distance around a polygon in order to determine its perimeter using U.S. Customary and metric units; and				65-67, 70 SB: 46-1, 46-3
b.	count the number of square units needed to cover a given surface in order to determine its area.				68-70 SB: 46-5, 46-8
3.9	The student will				
a.	tell time to the nearest minute, using analog and digital clocks;				50 SB: 41-1
b.	solve practical problems related to elapsed time in one-hour increments within a 12-hour period; and				51 SB: 41-2
c.	identify equivalent periods of time and solve practical problems related to equivalent periods of time.				52 SB: 42-2
3.10	The student will read temperature to the nearest degree.				53 SB: 42-3
3.11	The student will identify and draw representations of points, lines, line segments, rays, and angles.				29, 30 SB: 35-1, 35-2, 35-
3.12	The student will				
a.	define polygon;				36
b.	identify and name polygons with 10 or fewer sides; and				35, 36 SB: 37-4, 37-6, 37-8
c.	combine and subdivide polygons with three or four sides and name the resulting polygon(s).				SB: 39-4
3.13	The student will identify and describe congruent and noncongruent plane figures.				41 SB: 39-1, 39-3
PROBABILITY AND STATISTICS					

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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.				74, 75 SB: 49-4, 49-5, 49-6, 49-7
3.15	The student will				
a.	collect, organize, and represent data in pictographs or bar graphs; and	68, 70 SB: 50-4	58		
b.	read and interpret data represented in pictographs and bar graphs.	69, 70 SB: 50-2, 50-3	58 SB: 50-5		
PATTERNS, FUNCTIONS, AND ALGEBRA					
3.16	The student will identify, describe, create, and extend patterns found in objects, pictures, numbers and tables.	8-11 SB: 3-2, 48-3			
3.17	The student will create equations to represent equivalent mathematical relationships.				