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	🚼 Math Teachers Press, In	IC		
	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 GRADE 8				
		Student Book	Skill Builders	
	NUMBER AND NUMBER SENSE			
8.1	The student will			
а.	simplify numerical expressions involving positive exponents, using rational numbers, order of operations, and properties of operations with real numbers; and	5	6-1	
b.	compare and order decimals, fractions, percents, and numbers written in scientific notation.			
8.2	The student will describe orally and in writing the relationships between the subsets of the real number system.			
	COMPUTATION AND ESTIMATION			
8.3	The student will			
а.	solve practical problems involving rational numbers, percents, ratios, and proportions; and	33, 36, 38-40	26-2, 27-1, 28-1	
b.	determine the percent increase or decrease for a given situation.			
8.4	The student will apply the order of operations to evaluate algebraic expressions for given replacement values of the variables.		59-2	
8.5	The student will			
a.	determine whether a given number is a perfect square; and			
b.	find the two consecutive whole numbers between which a square root lies.			
86	MEASUREMENT			
a.	verify by measuring and describe the relationships among vertical angles, adjacent angles, supplementary angles; and	48, 49	33-1	
b.	measure angles of less than 360°.			
8.7	The student will			
а.	investigate and solve practical problems involving volume and surface area of prisms, cylinders, cones, and pyramids; and		41-1	
b.	describe how changing one measured attribute of a figure affects the volume and surface area.			
	GEOMETRY			
8.8	The student will			

		Student Book	Skill Builders
а.	apply transformations to plane figures; and	46	
b.	identify applications of transformations.	46	
8.9	The student will construct a three-dimensional model, given the top or bottom, side, and front views.		41-2
8.10	The student will		
а	verify the Pythagorean Theorem; and	54	
b	apply the Pythagorean Theorem.	55	54-1
8.11	The student will solve practical area and perimeter problems involving composite plane figures.	58	
	PROBABILITY AND STATISTICS		
8.12	The student will determine the probability of indepenent and dependent events with and without replacement	26	47-1
8.13	The student will		
a.	make comparisons, predictions, and inferences, using information displayed in graphs; and	15, 16	
b.	construct and analyze scatterplots.		
	PATTERNS, FUNCTIONS, AND ALGEBRA		
8.14	The student will make connections between any two representations (tables, graphs, words, and rules) of a given relationship.		
8.15	The student will		
а.	solve multistep linear equations in one variable with the variable on one and two sides of the equation;	80	50-3
b.	solve two-step linear inequalities and graph the results on a number line; and		
C.	identify properties of operations used to solve an equation.		
8.16	The student will graph a linear equation in two variables.		
8.17	The student will identify the domain, range, independent variable, or dependent variable in a given situation.		