



# Math Teachers Press, Inc.

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## FLORIDA MATHEMATICS STANDARDS CORRELATED TO MOVING WITH MATH®-BY-TOPIC LEVEL B GRADE 4

		Student Book	Skill Builders
<b>ALGEBRA</b>			
<b>IDEA 1: Develop quick recall of multiplication facts and related division facts and fluency with whole number multiplication.</b>			
<b>MA.4.A.1.1</b>	Use and describe various models for multiplication in problem-solving situations, and demonstrate recall of basic multiplication and related division facts with ease.	<b>BII:</b> 18, 20-25, 28, 56	20-4 to 20-7, 21-4 to 21-8, 22-1
<b>MA.4.A.1.2</b>	Multiply multi-digit whole numbers through four digits fluently, demonstrating understanding of the standard algorithm, and checking for reasonableness of results, including solving real-world problems.	<b>BII:</b> 30-33, 39, 70	27-4
<b>IDEA 2: Develop an understanding of decimals, including the connection between fractions and decimals.</b>			
<b>MA.4.A.2.1</b>	Use decimals through the thousandths place to name numbers between whole numbers.		
<b>MA.4.A.2.2</b>	Describe decimals as an extension of the base-ten number system.		
<b>MA.4.A.2.3</b>	Relate equivalent fractions and decimals with and without models, including locations on a number line.		
<b>MA.4.A.2.4</b>	Compare and order decimals, and estimate fraction and decimal amounts in real-world problems.	<b>BIII:</b> 71	
<b>GEOMETRY</b>			
<b>IDEA 3: Develop an understanding of area and determine the area of two-dimensional shapes.</b>			
<b>MA.4.G.3.1</b>	Describe and determine area as the number of same-sided units that cover a region in the plane, recognizing that a unit square is the standard unit for measuring area.	<b>BIII:</b> 65, 66	

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<b>MA.4.G.3.2</b>	Justify the formula for the area of the rectangle "area = base x height."		
<b>MA.4.G.3.3</b>	Select and use appropriate units, both customary and metric, strategies, and measuring tools to estimate and solve real-world area problems.	<b>BIII:</b> 65, 67	
<b>SUPPORTING IDEAS</b>			
<b>ALGEBRA</b>			
<b>MA.4.A.4.1</b>	Generate algebraic rules and use all four operations to describe patterns, including nonnumeric growing or repeating patterns	<b>BII:</b> 13	
<b>MA.4.A.4.2</b>	Describe mathematics relationships using expressions, equations, and visual representations.	<b>BI:</b> 21, 39, 40 <b>BII:</b> 3, 8, 13	
<b>MA.4.A.4.3</b>	Recognize and write algebraic expressions for functions with two operations.		
<b>GEOMETRY AND MEASUREMENT</b>			
<b>MA.4.G.5.1</b>	Classify angles of two-dimensional shapes using benchmark angles (i.e. $45^\circ$ , $90^\circ$ , $180^\circ$ , and $360^\circ$ ).		
<b>MA.4.G.5.2</b>	Identify and describe the results of translations, reflections, and rotation of 45, 90, 180, 270 and 360 degrees, including figures with line and rotational symmetry.		
<b>MA.4.G.5.3</b>	Identify and build a three-dimensional object from a two-dimensional representation of that object and vice versa.	<b>BIII:</b> 41	
<b>NUMBER AND OPERATIONS</b>			
<b>MA.4.A.6.1</b>	Use and represent numbers through millions in various contexts, including estimation of relative sizes	<b>BI:</b> 30, 31, 33	2-4
<b>MA.4.A.6.2</b>	Use models to represent division as:		
	• the inverse of multiplication	<b>BII:</b> 44, 48, 54	25-2
	• as partitioning	<b>BII:</b> 42, 43, 54	25-1, 26-1
	• as successive subtraction	<b>BII:</b> 45-47, 54	
<b>MA.4.A.6.3</b>	Generate equivalent fractions and simplify fractions.	<b>BIII:</b> 22, 23, 25	
<b>MA.4.A.6.4</b>	Determine factors and multiples for specified whole numbers.		
<b>MA.4.A.6.5</b>	Relate halves, fourths, tenths, and hundredths to decimals and percents.		

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<b>MA.4.A.6.6</b>	Estimate and describe reasonableness of estimates; determine the appropriateness of an estimate versus an exact answer.	<b>BII:</b> 29, 59-61, 74	28-1
	<b>BI: Numeration, Addition and Subtraction</b>		
	<b>BII: Multiplication and Division</b>		
	<b>BIII: Fractions, Geometry and Measurement</b>		