

**Florida Sunshine State Standards
Correlated to**

**Academic Language Notebooks
The Language of Math
Grade 4**

Florida Standards	Module Number and Name
BIG IDEA 1: Develop quick recall of multiplication facts and related division facts and fluency with whole number multiplication.	15. Patterns and Functions
MA.4.A.1.1 Use and describe various models for multiplication in problem-solving situations, and demonstrate recall of basic multiplication and related division facts with ease.	7. Multiplication and Division Concepts 8. Multiplication Properties and Division Rules 9. Multiplication and Division Facts 10. Model Multiplication by 1- and 2- Digit Numbers 11. Model Division by 1- and 2- Digit Numbers 12. Mental Math and Estimation with Multiplication and Division
MA.4.A.1.2 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.	
BIG IDEA 2: Develop an understanding of decimals, including the connection between fractions and decimals.	26. Read and Write Fractions
MA.4.A.2.1 Use decimals through the thousandths place to name numbers between whole numbers.	30. Decimal Concepts
MA.4.A.2.2 Describe decimals as an extension of the base-ten number system.	
MA.4.A.2.3 Relate equivalent fractions and decimals with and without models, including locations on a number line.	27. Compare and Order Equivalent Fractions
MA.4.A.2.4 Compare and order decimals, and estimate fraction and decimal amounts in real-world problems.	
BIG IDEA 3: Develop an understanding of area and determine the area of two-dimensional shapes.	16. Time 17. Measures of Length (Customary and Metric)
MA.4.G.3.1 Describe and determine area as the number of same-sized units that cover a region in the plane, recognizing that a unit square is the standard unit for measuring area.	24. Perimeter and Area
MA.4.G.3.2 Justify the formula for the area of the rectangle “area = base x height.”	
MA.4.G.3.3 Select and use appropriate units, both customary and metric, strategies, and measuring tools to estimate and solve real-world area problems.	18. Measures of Capacity and Weight/Mass (Customary and Metric)
Algebra	
MA.4.A.4.1 Generate algebraic rules and use all four operations to describe patterns, including nonnumeric growing or repeating patterns.	
MA.4.A.4.2 Describe mathematics relationships using expressions, equations, and visual representations.	13. Algebraic Expressions 14. Algebraic Equations
MA.4.A.4.3 Recognize and write algebraic expressions for functions with two operations.	

Florida Standards	Module Number and Name
Geometry and Measurement	
MA.4.G.5.1 Classify angles of two-dimensional shapes using benchmark angles (i.e. 45° , 90° , 180° , and 360°).	
MA.4.G.5.2 Identify and describe the results of translations, reflections, and rotations of 45, 90, 180, 270, and 360 degrees, including figures with line and rotational symmetry.	21. Points, Lines, Line Segments, Rays, and Angles 22. Triangles, Other Polygons, and Circles 23. Transformations and Symmetry
MA.4.G.5.3 Identify and build a three-dimensional object from a two-dimensional representation of that object and vice versa.	
Number Operations	
MA.4.A.6.1 Use and represent numbers through millions in various contexts, including estimation of relative sizes of amounts or distances.	1. Place Value 2. Compare and Order Whole Numbers
MA.4.A.6.2 Use models to represent division as: <ul style="list-style-type: none"> • the inverse of multiplication • as partitioning • as successive subtraction 	3. Round Whole Numbers
MA.4.A.6.3 Generate equivalent fractions and simplify fractions.	
MA.4.A.6.4 Determine factors and multiples for specified whole numbers.	
MA.4.A.6.5 Relate halves, fourths, tenths, and hundredths to decimals and percents.	
MA.4.A.6.6 Estimate and describe reasonableness of estimates; determine the appropriateness of an estimate versus an exact answer.	5. Mental Math 6. Estimation