

# enVisionMATH Florida Correlation

## Grade 4

### **BIG IDEA 1: *Develop quick recall of multiplication facts and related division facts and fluency with whole number multiplication.***

BENCHMARK CODE	BENCHMARK	
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.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 2: Lessons 2–1, 2–2, 2–3, 2–4, 2–5, 2–6 Topic 3: Lessons 3–1, 3–2, 3–3, 3–4, 3–5, 3–6, 3–7, 3–8 Topic 5: Lesson 5–4 Topic 6: Lesson 6–5
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.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 4: Lesson 4–1, 4–2, 4–3, 4–4, 4–5, 4–6 Topic 5: Lesson 5–1, 5–2, 5–3, 5–5, 5–6, 5–7 Topic 6: Lesson 6–1, 6–2, 6–3, 6–4 Topic 7: Lesson 7–1, 7–2, 7–3, 7–4, 7–5 Topic 8: Lesson 8–1, 8–2, 8–3, 8–

### **BIG IDEA 2: *Develop an understanding of decimals, including the connection between fractions and decimals.***

BENCHMARK CODE	BENCHMARK	
MA.4.A.2.1	Use decimals through the thousandths place to name numbers between whole numbers.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 12: Lessons 12–1, 12–2, 12–4, 12–5
MA.4.A.2.2	Describe decimals as an extension of the base-ten number system.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 12: Lesson 12-3
MA.4.A.2.3	Relate equivalent fractions and decimals with and without models, including locations on a number line.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 14: Lessons 14–1, 14–2, 14–3, 14–4, 14–5
MA.4.A.2.4	Compare and order decimals, and estimate fraction and decimal amounts in real-world problems.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 12: Lessons 12–6, 12–7, 12–8 Topic 13: Lesson 13–1 Topic 16: Lesson 16–12

### **BIG IDEA 3: *Develop an understanding of area and determine the area of two-dimensional shapes.***

BENCHMARK CODE	BENCHMARK	
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	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 15: Lesson 15–1, 15–2

	measuring area.	
MA.4.G.3.2	Justify the formula for the area of the rectangle "area = base x height."	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 15: Lessons 15–3, 15–4, 15–6, 15–7
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.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 15: Lessons 15–5, 15–8

#### **SUPPORTING IDEA 4: Algebra**

<b>BENCHMARK CODE</b>	<b>BENCHMARK</b>	
MA.4.A.4.1	Generate algebraic rules and use all four operations to describe patterns, including nonnumeric growing or repeating patterns.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 10: Lessons 10–1, 10–2, 10–3, 10–4 Topic 11: Lesson 11–4
MA.4.A.4.2	Describe mathematics relationships using expressions, equations, and visual representations.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 10: Lessons 10–1, 10–2, 10–3, 10–4, 10–5, 10–7 Topic 11: Lessons 11–1, 11–2, 11–3, 11–4, 11–5 Topic 14: Lesson 14–7
MA.4.A.4.3	Recognize and write algebraic expressions for functions with two operations.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 10: Lessons 10–5, 10–6

#### **SUPPORTING IDEA 5: Geometry and Measurement**

<b>BENCHMARK CODE</b>	<b>BENCHMARK</b>	
MA.4.G.5.1	Classify angles of two-dimensional shapes using benchmark angles (i.e. 45°, 90°, 180°, and 360°).	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 16: Lessons 16–1, 16–2
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.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 16: Lessons 16–3, 16–4, 16–5, 16–6, 16–7, 16–8
MA.4.G.5.3	Identify and build a three-dimensional object from a two-dimensional representation of that object and vice versa.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 16: Lessons 16–9, 16–10, 16–11

**Supporting Idea 6: Number and Operations**

<b>BENCHMARK CODE</b>	<b>BENCHMARK</b>	
MA.4.A.6.1	Use and represent numbers through millions in various contexts, including estimation of relative sizes of amounts or distances.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 1: Lessons 1–1, 1–2, 1–3, 1–4, 1–5, 1–6, 1–7 Topic 8: Lesson 8–4
MA.4.A.6.2	Use models to represent division as: <ul style="list-style-type: none"><li>• the inverse of multiplication</li><li>• as partitioning</li><li>• as successive subtraction</li></ul>	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 3: Lessons 3–1, 3–2, 3–3, 3–4, 3–5, 3–6, 3–8
MA.4.A.6.3	Generate equivalent fractions and simplify fractions.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 13: Lessons 13–4, 13–5, 13–6
MA.4.A.6.4	Determine factors and multiples for specified whole numbers.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 13; Lessons 13–2, 13–3, 13–4, 13–7
MA.4.A.6.5	Relate halves, fourths, tenths, and hundredths to decimals and percents.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 14: Lesson 14–6
MA.4.A.6.6	Estimate and describe reasonableness of estimates; determine the appropriateness of an estimate versus an exact answer.	<b>enVisionMATH Florida Student and Teacher's Editions:</b> Topic 4: Lesson 4–6 Topic 9: Lesson 9–6