GRADE 5 MATHEMATICS CURRICULUM GUIDE

EVERYDAY MATHEMATICS **UNIT 10: ALGEBRA CONCEPTS AND SKILLS** **Third Nine weeks**

5.1 The student will a) read, write, and identify the place values of decimals through thousandths; b) round decimal numbers to the nearest tenth or hundredth; and c) compare the values of two decimals through thousandths, using the symbols >, <, or =.

5.2 The student will a) recognize and name commonly used fractions (halves, fourths, fifths, eighths, and tenths) in their equivalent decimal form and vice versa; and b) order a given set of fractions and decimals from least to greatest. Fractions will include like and unlike denominators limited to 12 or less, and mixed numbers

5.3 The student will create and solve problems involving addition, subtraction, multiplication, and division of whole numbers, using paper and pencil, estimation, mental computation, and calculators.

5.4 The student will find the sum, difference, and product of two numbers expressed as decimals through thousandths, using an appropriate method of calculation, including paper and pencil, estimation, mental computation, and calculators.

CON'T

PACING		CURRICULUM FRAMEWORK ESSENTIAL KNOWLEDGE. SKILLS, AND PROCESSES	EM LEARNING GOALS	GAMES & ASSESSMENTS	RESOURCES
Third Nine weeks EM TLG P742-803 ALL 1-DAY LESSONS EXCEPT 2 DAYS FOR: 10.3 INSERT 1 GAME DAY: -AFTER 10.9	5.1	Identify the place values for each digit in decimals through thousandths. Read decimal numbers through thousandths from written words or place-value format. Write decimal numbers through thousandths from written words or from decimal numbers presented orally. Round decimal numbers to the nearest tenth or hundredth. Identify the symbols for the terms *greater than*, *less than*, and *equal to*. Compare the value of two decimal numbers through thousandths, using the symbols >, <, or =.	**SECURE GOALS:** None **DEVELOPING/SECURE GOALS:** Solve one-step pan balance problems Interpret mystery line plots and graphs **DEVELOPING GOALS:** Write algebraic expressions to describe situations Represent rate problems as formulas, graphs, and tables Use formulas to find circumference and area of a circle Distinguish between circumference and area of circle problems **CON'T**	**GAMES TO BE INCLUDED:** -Hidden Treasure -Fraction Top It -Multiplication Top It -Fraction Multiplication Top It -Build It -Name That Number **ASSESSMENTS:** -oral assessments using slates -EM Unit 10 Assessment -MCPS Benchmark Test Unit 10 Secure Goals (includes previous secure goals)	<u>DAILY</u> – BEGIN USING A FEW GRADE 5 SOL RELEASED ITEMS AS REVIEW AND DIAGNOSIS OF STUDENT NEEDS **LITERATURE:** The Librarian Who Measured the Earth (Kathryn Lasky) **PROJECT # 8:** Pendulums (during or after unit 10) **GRADE 5 EM EXTENSIONS NOTEBOOK**
	5.2	Represent fractions (halves, fourths, fifths, eighths, and tenths) in their equivalent decimal form. Represent decimals in their equivalent fraction form (halves, fourths, fifths, eighths, and tenths). Determine equivalent relationships between decimals and fractions with denominators up to 12. Order from least to greatest a given set of no more than five numbers written as decimals and as fractions and mixed numbers with denominators of 12 or less.			
	5.3	Create problems involving the operations of addition, subtraction, multiplication, and/or division of whole numbers, using real-life situations. Estimate the sum, difference, product, and quotient of whole-number computations. Solve problems involving addition, subtraction, multiplication, and division of whole numbers, using paper and pencil, mental computation, and calculators, in which – sums, differences, and products will not exceed five digits; – multipliers will not exceed two digits; – divisors will not exceed two digits; or – dividends will not exceed four digits.			
	5.4	Determine an appropriate method of calculation to find the sum, difference, and product of two numbers expressed as decimals through thousandths, selecting from among paper and pencil, estimation, mental computation, and calculators. Estimate the sum, difference, and product of two numbers expressed as decimals through thousandths. Find the sum, difference, and product of two numbers expressed as decimals through thousandths, using paper and pencil. Find the sum, difference, and product of two numbers expressed as decimals through thousandths, using mental computation. Find the sum, difference, and product of two numbers expressed as decimals through thousandths, using calculators. Use estimation to check the reasonableness of a sum, difference, and product.			