

Family & Community Guide

FIFTH GRADE MATH

KEY CONCEPTS & SKILLS

Numbers & Operations

- Explain patterns when multiplying a number by a power of 10
- Read and write decimals
- Compare decimals to the thousandth place
- Round decimals to any place
- Multiply and divide multi-digit whole numbers
- Use all four operations with decimals to the hundredths
- Add and subtract fractions and mixed numbers with unlike denominators
- Identify equivalent forms of fractions/decimals
- Multiply fractions and mixed numbers

Algebraic Reasoning

- Automatically multiply and divide through 12X12
- Apply the Order of Operations
- Identify factors and multiples within 100

Geometry & Measurement

- Classify 2D figures based on properties
- Graph in the first quadrant on the coordinate plane
- Convert within customary and metric systems
- Find area and perimeter of a rectangle

Data, Probability, & Statistics

- Utilize graphs and diagrams to solve authentic word problems

EXAMPLES OF CLASSROOM LEARNING

- Reading, writing, and comparing decimals
- Rounding decimals
- Using models or drawings to add, subtract, multiply, and divide decimals
- Adding, subtracting, and multiplying fractions and mixed numbers
- Finding patterns when multiplying by powers of 10

- Practicing multiplication and division facts up to 12X12
- Using the Order of Operations to solve multi-step problems (parentheses, exponents, multiplication, division, addition, then subtraction)

- Classifying 2D figures
- Playing games involving coordinates (Battleship)
- Converting recipe measurements
- Calculating area and perimeter of rectangles

- Creating questions and solving problems based on graphs
- Creating line plots

HOW CAN YOU HELP AT HOME?

- Calculate the cost of multiple items when grocery shopping (6 boxes of cereal at \$2.99 each)
- Draw shapes to show fractions
- Practice adding and subtracting large numbers mentally
- Convert measurements in a recipe when cooking or baking together (halve a recipe!)
- Discuss area and perimeter in real life (tiling a room)
- Categorize home items so your child can practice graphing it in a line plot
- Discuss when graphs can be used (sports statistics, etc.)