

Family & Community Guide

FOURTH GRADE MATH

KEY CONCEPTS & SKILLS

Numbers & Operations

- Round whole numbers to any place
- Add/subtract whole numbers to the one million place
- Multiply large numbers
- Divide whole number quotients with remainders
- Convert between improper fractions and mixed numbers
- Add/subtract fractions with like denominators

Algebraic Reasoning

- Automatically multiply and divide through 10×10
- Identify properties of addition, subtraction, multiplication, and division
- Solve multi-step word problems with all four operations

Geometry & Measurement

- Identify, label, and draw points, lines, line segments, rays, and angles
- Draw lines of symmetry in 2D shapes
- Identify and use tools to solve problems
- Solve word problems involving money
- Find area and perimeter of rectangles

Data, Probability, & Statistics

- Generate data and create line plots
- Solve addition/subtraction of fractions problems by using a line plot
- Use graphs and diagrams to solve word problems

EXAMPLES OF CLASSROOM LEARNING

- Rounding numbers
- Adding and subtracting large numbers with ease
- Solving multi-digit multiplication and division problems
- Solving word problems about addition and subtraction of fractions

- Practicing multiplication and division facts up to 10×10
- Multi-step word problems (all four operations)

- Using tools to solve problems involving time, length, weight, mass, and capacity (customary or metric)
- Solving word problems involving money
- Finding the area and perimeter of rectangles
- Identifying, labeling, and drawing points, lines, line segments, rays, and angles

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

HOW CAN YOU HELP AT HOME?

- Play card games to practice multiplication and division up to 10×10
- Double a recipe when baking together
- Practice adding and subtracting large numbers
- Discuss area and perimeter in real life (size of a room)
- Work with money in real-life situations (making change, paying for items, budgeting and saving)
- Categorize home items so your child can practice graphing
- Discuss when graphs can be used (sports statistics, etc.)