

# Family & Community Guide

## THIRD GRADE MATH

### KEY CONCEPTS & SKILLS

#### *Numbers & Operations*

- Read and write numbers up to 10,000
- Compare two four-digit numbers
- Round to 10 or 100
- Add/subtract to 1000
- Represent a fraction on a number line
- Compare fractions of the same denominator or numerator

#### *Algebraic Reasoning*

- Automatically multiply and divide through 5X5 and 10s
- Add/subtract two-step word problems within 1,000
- Multiply/divide word problems within 100

#### *Geometry & Measurement*

- Identify lines, angles, perpendicular, and parallel lines in 2D shapes
- Measure lengths using rulers
- Tell and write time to the nearest minute
- Solve word problems involving coins and bills
- Solve rectangular perimeter problems
- Introduce finding the area with whole-number side lengths

#### *Data, Probability, & Statistics*

- Formulate questions to organize data
- Create line plots
- Solve one or two-step problems using information from graphs

### EXAMPLES OF CLASSROOM LEARNING

- Practicing reading and writing numbers up to 10,000
- Comparing four-digit numbers
- Rounding to 10 or 100
- Using visuals to represent fractions
- Using models/drawings to compare fractions

- Solving two-step word problems involving addition and subtraction
- Showing multiplication and division using pictures of equal groups
- Practicing multiplication/division facts up to 5X5 and 10s

- Covering shapes with squares to understand the area and perimeter
- Using a ruler marked with halves and fourths of an inch
- Drawing/acting out word problems involving money
- Telling time to the nearest minute
- Identifying 2D shapes
- Using cubes to find the area

- Organizing data with 4+ categories
- Creating and answering questions based on graphs
- Comparing data
- Making line plots

### HOW CAN YOU HELP AT HOME?

- Play games to practice multiplication/division
- Draw shapes to show fractions
- Practice adding/subtracting large numbers
- Discuss area/perimeter in real life (fencing a yard)
- Practice telling time
- Categorize home items so your child can practice graphing it
- Discuss when graphs can be used (sports statistics, etc.)