

## FOCUS AREAS FOR FIFTH GRADE:

- ▶ Solve word problems using addition and subtraction of fractions. For example, find how many cups of sauce are needed to make three batches of pasta.
- ▶ Solve addition, subtraction, multiplication, and division problems with decimals. For example, divide the cost of a dinner among three people.
- ▶ Understand and solve problems involving volume. For example, find out which of two fish tanks would hold more water.
- ▶ Solve problems using the coordinate grid (graphs). For example, discuss a graph showing how temperature changes over the course of a year.



## BY THE END OF FIFTH GRADE, STUDENTS CAN:



- ▶ Use rules (like *add 3*) to make patterns of numbers (like 2, 5, 8, 11...).
- ▶ Write, explain, and compute math expressions: for example, explain that  $2 \times (8 + 7)$  is 30.
- ▶ Round decimal numbers to the nearest thousandth: for example, round 5.7936 to 5.794.
- ▶ Fluently (quickly and correctly) multiply multi-digit numbers using the standard algorithm.
- ▶ Divide numbers using various strategies (like the partial quotients method).
- ▶ Multiply fractions by other fractions and by whole numbers: for example,  $\frac{2}{3} \times \frac{4}{5}$  or  $\frac{4}{5} \times 8$ .
- ▶ Divide with whole numbers (like 7) and unit fractions (fractions with 1 on the top): for example,  $4 \div \frac{1}{3}$  or  $\frac{1}{5} \div 4$ .
- ▶ Solve word problems using addition, subtraction, multiplication, and division of fractions and whole numbers.
- ▶ Solve multi-step word problems that include converting measurement units (like from grams to kilograms).
- ▶ Classify shapes in a hierarchy: for example, all rectangles are parallelograms, but not all parallelograms are rectangles.

## QUESTIONS YOU CAN ASK YOUR CHILD:

- ▶ How much do six boxes of cereal cost?
- ▶ How much of each ingredient will we need if we cut this recipe in half?

## TOPICS YOU CAN DISCUSS WITH YOUR CHILD'S TEACHER:

- ▶ Projects you can do at home to practice solving problems with fractions, decimals, and volume
- ▶ Which strategies for dividing larger numbers work best for your child

