

FOCUS AREAS FOR THIRD GRADE:

- ▶ Understand multiplication and division and how they are related. For example, use multiplication to find the cost of 10 apples and division to find the cost of 1 apple.
- ▶ Understand fractions and how they represent real-world situations. For example, use fractions to compare how much pizza two people eat.
- ▶ Understand connections between multiplication and the areas of shapes. For example, find the area of a room using floor tiles.
- ▶ Describe, analyze, and compare shapes like rectangles and squares. For example, explain that any shape with four sides can be called a quadrilateral.



BY THE END OF THIRD GRADE, STUDENTS CAN:



- ▶ Solve two-step word problems using multiplication, division, addition, and subtraction.
- ▶ Explain what the answer to a division problem means in the problem's context.
- ▶ Know multiplication and division facts up to $9 \times 9 = 81$ and $81 \div 9 = 9$.
- ▶ Fluently (quickly and correctly) multiply and divide numbers up to 100.
- ▶ Fluently (quickly and correctly) add and subtract numbers under 1,000 using various methods.
- ▶ Understand that fractions are numbers that represent parts of a whole.
- ▶ Explain how to know whether two simple fractions (like $\frac{1}{2}$ and $\frac{2}{4}$) are equal.
- ▶ Use symbols to compare simple fractions: for example, $\frac{1}{2} > \frac{1}{3}$ or $\frac{2}{5} < \frac{3}{5}$.
- ▶ Place fractions on a number line along with whole numbers (like 2 and 5).
- ▶ Solve problems using units of time (like minutes), mass (like grams), and volume (like liters).
- ▶ Understand and use area and perimeter. Find the area and perimeter of shapes like rectangles.
- ▶ Sort shapes into categories: for example, shapes with right (90°) angles.

QUESTIONS YOU CAN ASK YOUR CHILD:

- ▶ Can you measure half a cup of milk for the muffins we're making?
- ▶ How can we lay out our game cards so we have the same number in each row?
- ▶ How are fractions like other numbers? Can you put them together to make other numbers?

TOPICS YOU CAN DISCUSS WITH YOUR CHILD'S TEACHER:

- ▶ Which multiplication and division strategies that work well for your child
- ▶ Games that can help your child practice math at home

