## 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 $1 / 2$ and $2 / 4$ ) are equal.
- Use symbols to compare simple fractions: for example, $1 / 2>1 / 3$ or $2 / 5<3 / 5$.
- 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 $\left(90^{\circ}\right)$ 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


