FOCUS AREAS FOR FOURTH GRADE:

▶ Solve multi-step word problems using multiplication, division, addition, and subtraction. For example, find the total area of two rooms.

▶ Understand that multiplication and division can be used to compare quantities. For example, explain that a rubber band can stretch to *three times* its usual length.

▶ Understand and use equivalent fractions (like ½ and ⅜, which are the same) and unit fractions (like ⅓ or ⅕, with a 1 on top).

▶ Describe, analyze, compare, and classify shapes using types of lines and angles. For example, compare the types of angles in two triangles.

BY THE END OF FOURTH GRADE, STUDENTS CAN:

▶ Know multiplication facts up to *12 x 12 = 144* and their related division facts (like *144 ÷ 12 = 12*).

▶ Multiply and divide multi-digit whole numbers (like 536 and 23) using various strategies.

▶ Fluently (quickly and correctly) add and subtract numbers up to 1,000,000 using the standard algorithm.

▶ Add and subtract fractions and mixed numbers (like 4⅖) with the same denominator (number on the bottom).

▶ Multiply fractions by whole numbers: for example, ¼ x 5 .

▶ Understand how decimals and fractions are related: for example, $0.63 = \frac{63}{100}$.

▶ Convert larger measurement units (like *miles, hours,* or *liters*) to smaller units (like *feet, minutes,* or *milliliters*).

▶ Use formulas (like *length x width*) for the area and perimeter of rectangles.

▶ Use a protractor to measure and draw angles.

QUESTIONS YOU CAN ASK YOUR CHILD:

▶ How many times older am I than you?

▶ We need half a cup of milk for this cake. How many times should we fill the ¼-cup measure with milk?

TOPICS YOU CAN DISCUSS WITH YOUR CHILD'S TEACHER:

▶ Which multiplication and division strategies work best for your child

▶ Activities to do at home that use fractions (like baking)

MATHEMATICS