

## MODULE 1

- Make arrays out of household items (e.g., pennies, beans, blocks) Determine how many items are on each row
- Select multiplication or division facts to illustrate or write a word problem.
- Hunt for multiple sets of objects in the home. Use repeated addition and multiplication to find the totals.
- Sort coins according to type, count the number of coins and then multiply to find the total value of pennies (x 1), nickels (x 5), dimes (x 10) and quarters (x 25).
- Roll 2 number cubes. Find the products of the factors.
- Count quantities of items by 2's, 3's, 5's, and 10's.
- Roll 2 number cubes to determine the factors. Make an array to find the product.
- Act out division problems with counters. For example, Brad has 12 rabbits. He puts the same number of rabbits into each of 4 cages. How many rabbits does Brad put in each cage?
- Roll 2 number cubes and write the fact families. For example, for rolls of 4 and 6, write:  $4 \times 6 = 24$ ,  $6 \times 4 = 24$ ,
- Ask your child to find the missing factor. For example,  $5 \times \text{what number?} = 35$ ?

## MODULE 3

- Measure the area of the rooms in your home to determine which rooms are the smallest and largest.
- Use grid paper to make rectangles with the same area.

## MODULE 5

- Go on a fraction hunt! Look for household items that are divided into equal parts (fractions of a whole and fractions of a set). Record the fractions.
- Roll number cubes to make fractions. Draw pictures of the fractions you make. Place the fractions you've made in order on a number line.
- Identify fractions at meal times. For example, you ate  $\frac{1}{2}$  of an apple,  $\frac{3}{4}$  stalk of celery, 1 whole tuna sandwich, and  $\frac{2}{3}$  of a glass of milk.
- Practice making equivalent fractions.
- Plot fractions on a number line.

## Module 7

- Measure the perimeter and area of the rooms in your home to determine which rooms are the smallest and largest.
- Use grid paper to make rectangles with the same perimeters. Determine the area of each rectangle.
- Act out division problems with counters. For example, Brad has 12 rabbits. He puts the same number of rabbits into each of 4 cages. How many rabbits does Brad put in each cage?
- Use grid paper to create congruent shapes.
- Identify, describe, and classify different household objects as solid figures.
- Identify angles that are less than, equal to and greater than right angles.
- Use tangrams to make plane figures.

## MODULE 2

- Roll 2 number cubes. Find the products of the factors.
- Locate numbers in catalogs or newspapers, then practice rounding them to the nearest tens and hundreds.
- Make records of important times of the day (wake-up, dinner, going to school, getting home from school, etc.) and practice telling how long between activities.
- Calculate elapsed time by finding out how long it takes to complete daily activities (soccer practice, homework, take a shower, etc.)
- Fill a small box with blocks (e.g., sugar cubes) to determine its volume. Brainstorm multiple strategies to determine the volume.

## MODULE 4

- Measure the perimeter and area of the rooms in your home to determine which rooms are the smallest and largest.
- Use grid paper to make rectangles with the same perimeters. Determine the area of each rectangle.

## Module 6

- Share and discuss tables and graphs found in newspapers and magazines.
- Conduct a survey among family members or friends and construct a bar graph or pictograph.
- Make a physical pictograph using real objects (e.g., fruits, vegetables, cereal, kitchen tools). Record the graph on paper. Change the scale to create a new pictograph.