

Activities for home

Unit/ Module 1

- Create number cubes or spinners and have the student identify the place value and value of different digits in that number.
- Roll or pick numbers to create decimals. Add, subtract, multiply, or divide the decimals.
- Find the batting averages or other statistics in the sports section of a newspaper and add or subtract the statistics.
- Estimate and find the sums and differences of items at the store and in restaurants.
- Practice basic addition, subtraction, multiplication and division facts.
- Roll or pick numbers to create decimals. Compare and order the numbers.
- Choose a four-digit number. Multiply and divide by powers of 10 (10, 100, 1,000, etc.) by moving the decimal point left or right as appropriate.

Unit/ Module 2

- Create number cubes or spinners and have the student identify the place value and value of different digits in that number. - Estimate and find the sums and differences of items at the store and in restaurants. - Practice basic addition, subtraction, multiplication and division facts.
- Choose a four-digit number. Multiply and divide by powers of 10 (10, 100, 1,000, etc.) by moving the decimal point left or right as appropriate.
- Create number cubes or spinners and have the student identify the place value and value of different digits in that number.
- Compare the estimated volume of a carton or bottle of liquid (such as 1/2 gallon juice or milk or two liter bottle of lemonade) in cubic inches or centimeters to its stated volume in ounces or milliliters. - Make up numbers, roll numbers with dice, or find numbers (on labels) and compare them.
- Create rules (ex. $n = 3$) and have your student extend the number pattern (3, 6, $_ , _$).
- Create a number pattern and have your student write the rule. - Create an input/ output machine (function table) for a given rule and have the student fill in the missing Inputs and Outputs.
- Create an input/ output machine (function table) for an unknown rule and have the student fill in the missing Inputs and Outputs and write the rule.
- Find numbers and write them in expanded form.
- Draw pictures and make models of numbers. - Practice addition, subtraction, multiplication and division facts.

Unit/ Module 3

- Create or pick numbers to make fractions. Add, subtract, or simplify the fractions that you find.
- Find examples of fractions around the house or neighborhood. Add, subtract, multiply, divide or simplify the fractions that you find.
- Create numbers to use in fractions. Draw these fractions as parts of a whole or set.
- Use measuring cups when baking or cooking.
- Draw different shapes. Divide them into different fractions.

Unit/ Module 4

- Find examples of fractions around the house or neighborhood. Add, subtract, multiply, divide or simplify the fractions that you find.
- Create numbers to use in fractions. Draw these fractions as parts of a whole or set.
- Use measuring cups when baking or cooking.
- Identify the use of decimals in sporting events and in newspapers.
- Draw different shapes. Divide them into different fractions.
- Practice multiplication and division facts.

Unit/ Module 5

- Find examples of fractions around the house or neighborhood. Add, subtract, multiply, divide or simplify the fractions that you find.
- Draw different shapes. Divide them into different fractions.
- Practice multiplication and division facts.
- Find the volume of real-world objects in your home.
- Compare the estimated volume of a carton or bottle of liquid (such as $\frac{1}{2}$ gallon juice or milk or two liter bottle of lemonade) in cubic inches or centimeters to its stated volume in ounces or milliliters.
- Name two-dimensional figures and find examples at home.
- Draw different polygons within a piece of triangle grid paper, or use combinations of triangles to create other polygons.
- Make flash cards of different geometric figures and their properties.
- Identify, describe, and different household objects as two-dimensional figures.
- Use a compass or a computer to draw geometric figures.