

Scope and Sequence
6th Grade Math

1st - 6 wks

- Patterns and formulate an equation from a problem
- Order of operations
- Review place value and rounding of decimals and whole numbers
- Compare decimals
- Work with variables and expressions
- Problem solving with whole numbers(+, -, x, /, and money) and decimals(+, -,) and money (+, -, x, and /) using solutions sentences, equations, estimation and reasonableness

2nd - 6 wks

- Divisibility rules/ factors
- Primes/composites
- Prime factorizations
- Gcf and lcm applications
- Equivalent fractions
- Simplify fractions
- Compare / order fractions
- Adding and subtracting fractions and modeling with unlike denominators
- Problems solving with fractions(order, compare, add and subtract)

3rd - 6 wks

- Continue adding and subtracting w/fractions and mixed numerals and application
- Generating equivalent forms of fractions, decimals and percents/ applications
- Using number lines to see relationships of decimals, fractions and percents
- Locating and naming points on a coordinate plane using ordered pairs

4th - 6 wks

- Use ratios to describe proportional situations
- Use multiplication and division of whole numbers to solve problems including equivalent ratios and rates
- Use ratios to make predictions in proportional situations
- Find the probability of a simple event and its complement
- Finding outcomes (Construct sample spaces.)
- Convert with measures within the same measurement system
- Review geometry terms and definitions.

- Use angle measurements to classify angles as acute, obtuse, right or straight
- Identify relationships involving angles in triangles and quadrilaterals
- Use ratios to describe proportional situations)
- Generate formulas to represent relationships involving perimeter, area, volume of a rectangular prism, etc., form a table of data.
- Find areas, perimeters, circumferences and volumes
- Use tables and symbols to represent and describe proportional and other relationships involving perimeters, areas, etc.

5th - 6 wks

- Continue with area, perimeter, and volumes.
- Describe the relationship between radius, diameter, and circumference of a circle and use formulas to represent relationships
- Use mean, median, mode and range to describe data
- Draw and compare different graphical representations of the same data.
- Sketch circle graphs to display data
- Solve problems by collecting, organizing, displaying and interpreting data

6th - 6wks

- Continue graphing
- Use integers to represent real-life situations
- Communicate by integrating 6th grade math in solving real-life problems in various forms