

6th Grade Math Concepts by Quarter

Q1:

- Multiply and divide multi-digit, whole positive numbers
- Add, subtract, multiply and divide decimals
- Greatest Common Factors
- Lowest Common Multiples
- Fundamentals of Fractions (review from earlier grades)
- Dividing and multiplying fractions by fractions
- Simplifying Fractions
- Prime factorization

Q2:

- Number lines
- Positive & negative numbers
- The coordinate plane (coordinate pairs)
- Absolute Value
- Inequality Statements
- Real- world graphing applications
- Variables, coefficients, terms
- Order of Operations
- Exponents
- Algebraic expressions
- One and two-step equations

Q3:

- Ratios
- Unit rates
- Proportions
- Percentages
- Converting between fractions, decimals, and percentages

Q4:

- Statistical questions
- Box plots, histograms, dot plots
- Mean, mode, median, range, quartiles, absolute deviation
- Area of triangles and special quadrilaterals
- Volume of rectangular prisms
- Draw polygons on the coordinate plane
- 3-D figures on a plane using nets to find surface area