

RINGWOOD PUBLIC SCHOOLS

WHAT EVERY STUDENT SHOULD KNOW BY THE END OF FIFTH GRADE – MATH

Number Sense, Numeration, and Numerical Operations

- Read and write rational numbers.
- Compare and order whole numbers, decimals, and fractions in like terms.
- Round whole numbers and decimals.
- Identify equivalent fractions.
- Estimate and solve multiplication and division problems involving whole numbers.
- Find multiples, common multiples, and least common multiples of numbers.
- Relate exponential notation to repeated multiplication.
- Find factors, common factors, and greatest common factors of numbers.
- Identify prime and composite numbers.
- Add and subtract fractions with like and unlike denominators.
- Solve addition and subtraction problems with decimal numbers to the nearest hundredth.
- Multiply a whole number by a fraction or a decimal.
- Solve word problems involving addition, subtraction, multiplication, and division using a variety of strategies.

Spatial Sense, Measurement and Geometry

- Identify points, lines, segments, and angles.
- Identify geometric shapes.
- Identify the radius, diameter, chord, center, and circumference.
- Compare and convert units of measure within the standard system.
- Determine the perimeter and area of polygons.
- Use measurement concepts involving length, weight, money, time, temperature, perimeter, area, and to solve problems.
- Use tangrams to create basic shapes and puzzles.
- Identify basic metric terms.

Patterns, Relationships, Functions

- Identify and extend numerical and geometric patterns.
- Use non-numeric symbols to represent quantities in simple expressions or equations.

Data, Probability, and Statistics

- Use mean, median, mode, and range to describe a set of data.
- Interpret data using tables, graphs, line plots, and Venn diagrams .