

## **RINGWOOD PUBLIC SCHOOLS**

### **WHAT EVERY STUDENT SHOULD KNOW BY THE END OF FOURTH GRADE – MATHEMATICS**

- Read, write, and round rationale numbers to the hundred millions.
- Count, compare, order, and make change using money.
- Solve and explain two-step word problems using a variety of strategies.
- Add and subtract using regrouping up to four-digit whole numbers.
- Use median, mode and range to describe a set of data.
- Collect, organize, and display data using charts, graphs, and plots.
- Interpret charts, graphs, and plots.
- Multiplication of two-digit numbers.
- Division using a single-digit divisor.
- Identify points, lines, segments, and angles.
- Identify properties of plane and solid figures, and recognize the relationship of objects in the environment.
- Determine the perimeter and area of polygons.
- Understand the concepts of geometric transformations (rotations, reflections, and translations).
- Recognize congruent plane figures after performing geometric transformations.
- Estimate and measure length, weight, and capacity using metric and customary units.
- Use measurement concepts involving money, elapsed time, and temperature.
- Use ordered pairs to locate points and plot positions on a coordinate grid.
- Solve real-world problems involving length, weight, capacity, money, time, temperature, perimeter, and volume.
- Model fractions and mixed numbers.
- Compare and order whole numbers, decimals, fractions, and mixed numbers.
- Add and subtract whole numbers, decimals, and fractions with like denominators.
- Identify and extend upon geometric and numerical patterns by stating their rules.