

St. Raphael the Archangel

Math

4th Grade 2017-2018

Learning Goals- Students will:

Operations and Algebraic Thinking

- 1. Create and describe patterns that follow a rule.**
- 2. Factor numbers 1-100.**
- 3. Form and solve expressions with parentheses.**
- 4. Interpret and solve multiplication and division equations.**
- 5. Identify whether a number is prime or composite.**
- 6. Solve inequalities.**
- 7. Use mathematical operations and variables to solve word problems.**

Numbers and Operations- Base Ten

- 1. Add numbers up to 1,000,000.**
- 2. Divide numbers with a one-digit divisor.**
- 3. Estimate a number to a given place value.**
- 4. Identify the multiples of a number.**
- 5. Multiply large numbers.**
- 6. Write numbers in expanded, word, and standard form.**
- 7. Read, write, and compare numbers up to 1,000,000.**
- 8. Subtract numbers up to 1,000,000.**

Numbers and Operations- Fractions

- 1. Add and subtract fractions that are parts of the same whole.**
- 2. Add decimals to the hundredths place.**
- 3. Add and subtract mixed numbers with like denominators.**
- 4. Change a fraction to an equivalent decimal.**
- 5. Compare and order decimals.**
- 6. Compare and order fractions.**
- 7. Estimate the sum and difference of decimals.**
- 8. Multiply a fraction by a whole number.**
- 9. Recognize and form equivalent fractions.**
- 10. Solve word problems by adding and subtracting fractions with like denominators.**
- 11. Subtract decimals to the hundredths place.**

Measurement and Data

- 1. Find equivalent measurements.**
- 2. Measure and draw angles using a protractor.**
- 3. Measure volume.**
- 4. Solve addition and subtraction problems with unknown angles.**
- 5. Solve measurement word problems.**
- 6. Measure and draw lines using a ruler.**
- 7. Use formulas to find the area and perimeter of rectangles.**

Geometry

- 1. Classify polygons.**
- 2. Draw and identify points, lines, line segments, rays, angles, and perpendicular and parallel lines.**
- 3. Identify symmetrical shapes and draw lines of symmetry.**