

Hope Township School Mathematics

Measurable Expectations

4th Grade

Grade Level Goals:

- ◇ Divide fluently up to 144
- ◇ Use multiplication and division to solve single and multi-step word problems (fractions, measurement, money)
- ◇ Find all factors of a given number up to 100
- ◇ Determine if given number is a multiple of a one digit number
- ◇ Determine whether a given number up to 100 is prime or composite
- ◇ Generate and extend patterns that follow a given rule expressed verbally or algebraically
- ◇ Read, write and compare whole numbers up to billions in standard, expanded, and word form
- ◇ Use place value understanding to round multi-digit whole numbers to any place
- ◇ Add and subtract multi-digit whole numbers
- ◇ Add and subtract within 1,000,000
- ◇ Multiply four digit by one digit and two digit numbers
- ◇ Divide four digits by one digit with whole number quotient and with remainders
- ◇ Recognize and generate equivalent fractions
- ◇ Compare fractions with unlike denominators using inequality symbols
- ◇ Add and subtract fractions and mixed numbers with like denominators
- ◇ Multiply fraction by whole number
- ◇ Write and compare fractions in tenths and hundredths using equivalent decimals
- ◇ Know relative sizes of measurements and convert within one system of units
- ◇ Apply the area and perimeter formulas for rectangles in real world and mathematical problems
- ◇ Organize, interpret and create scaled **graphs**
- ◇ Measure and classify angles using a protractor
- ◇ Solve addition and subtraction problems to find unknown angles
- ◇ Draw points, lines, line segments, rays, angles, perpendicular and parallel lines and identify in two dimensional figures
- ◇ Classify shapes by properties of lines and angles
- ◇ Determine a line of symmetry or if a figure is symmetric

Mission Statement

Hope Township School, in cooperation with our community, values the importance of a supportive, challenging education for all students delivered through an effective, contemporary curriculum that meets or exceeds the Common Core State Standards and the New Jersey Core Curriculum Content Standards. By fostering communication and respect in a positive educational environment, all children can realize their potential.

Common Core Standards 4th Grade Overview:

- **Operations and Algebraic Thinking**
- **Number and Operations in Base Ten**
- **Number and Operations—Fractions**
- **Measurement and Data**
- **Geometry**
- **Mathematical Practices**