



THIRD GRADE MATHEMATICS

Represent and Understand Multiplication and Division

- Develop an understanding of the meanings of multiplication and division
- Apply properties of operations as strategies to multiply and divide
- Represent and solve multiplication and division problems within 100
- By the end of Grade 3, know from memory all products of two one-digit numbers

Develop Understanding of Fractions

- Develop an understanding of fractions as numbers with 2, 3, 4, 6, and 8 as denominators (This includes understanding unit fractions as one part of the whole written with numerator and denominator.)
- Represent a fraction as a number on a number line
- Understand fraction equivalence with visual models and number lines
- Compare two fractions with the same numerator or same denominator

Solve Problems Involving Measurement

- Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects
- Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch
- Recognize perimeter as an attribute of plane figures and distinguish between linear and area measures

Mathematical Practices

- Make sense of problems and persevere in solving them
- Reason abstractly and quantitatively
- Construct viable arguments and critique the reasoning of others
- Model with mathematics
- Use appropriate tools strategically
- Attend to precision
- Look for and make use of structure
- Look for and express regularity in repeated reasoning

