

What Third Graders are Learning in Math

(Based on *Grade Expectations for Vermont Framework of Standards and Learning Opportunities* and the *Bridges in Mathematics Curriculum*)

Arithmetic, Number and Operations

We are learning to:

- Work with positive fractional numbers
- Use various mathematical operations with numbers 0 to 999
- Understand decimals as a part of 100
- Mentally add and subtract whole numbers up to twenty with accuracy
- Understand the inverse relationship between addition and subtraction
- Use repeat addition to solve problems
- Applies properties of numbers such as odd and even
- Accurately solve problems with addition & subtraction with and without regrouping
- Estimate and evaluate the reasonableness of a solution to a problem

Geometry and Measurement

We are learning to:

- Identify geometric shapes by their attributes such as angles and sides
- Compare, identify and describe three dimensional shapes by properties of those shapes
- Identify congruency of a given shape when using flips, slides and turns
- Demonstrate an understanding perimeter and area of polygons
- Determine elapsed and accrued time to the quarter hour
- Use a coordinate grid system to solve problems
- How to measure accurately and which unit of measure to use

Data, Statistics and Probability

We are learning to:

- Interpret various graphs such as: line plots, bar graphs and tally charts
- Use the information found in the graphs to answer questions, analyze the data, justify conclusions and solve problems.
- Organize and display information in a bar graph or table
- Use counting techniques to solve a problem
- Use experimental probability to describe the likelihood of an event occurring as impossible, unlikely, equally unlikely, likely and certain.

Functions and Algebra

We are learning to:

- Identify and extend a variety of patterns
- Demonstrate a conceptual understanding of linear equations
- Demonstrate a conceptual understanding of equality