

What First Graders Are Learning in Math

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

NUMBER AND NUMERATION:

We are learning to:

- Count forward by 1s to 100
- Count forward by 2s and 5s to 50
- Count backwards by 1s from 20
- Write numbers that come before and after numbers to 10
- Compare and order whole numbers through 100
- Demonstrate mental math competency in addition and subtraction facts up to 20

OPERATION AND COMPUTATION:

We are learning to:

- Demonstrate proficiency with addition facts to 10
- Demonstrate proficiency with subtraction facts to 10
- Calculate and compare the value of pennies, nickels, dimes, and quarters
- Identify fractions as parts of a whole
- Demonstrate proficiency with solving picture problems

DATA AND GRAPHS

We are learning to:

- Write and count tally marks
- Use data to make a graph
- Read and collect data from a graph
- Create a 2-3 column graph
- Locate positions on a coordinate graph

MEASUREMENT AND REFERENCE FRAMES:

We are learning to:

- Tell time to the hour, $\frac{1}{2}$ hour, and $\frac{1}{4}$ hour on an analog clock
- Tell time on a digital clock

GEOMETRY:

We are learning to:

- Identify geometric shapes
- Identify, sort, and graph geometrical attributes

PATTERNS, FUNCTIONS, AND ALGEBRA:

We are learning to:

- Identify and extend patterns
- Sorting objects in multiple ways
- Solving story problems using pictures, symbols, equations, and/or words