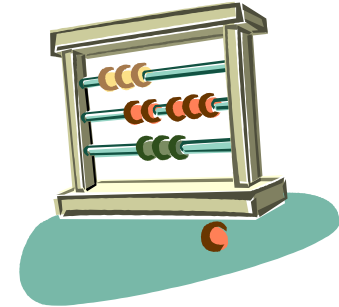


Work with Patterns and Relationships

- count to 1000 by twos, fives, and tens
- *discover, invent, describe, generalize, extend and represent* a variety of patterns
- *identify the rule* that generates the pattern
- explore balancing equations ($5+5= __+1$)
- develop an understanding of change over time (growth in animals or plants)
- develop an understanding of a constant rate of change in problem solving situations

Work with Data

- use numbers and equations to represent change
- *collect and organize* data
- *represent and interpret* data using tallies, organized lists, pictographs, bar graphs, and Venn diagrams
- solve problems involving combinations using a variety of strategies (diagram, organized lists, tables, tree diagram)
- describe the probability of an event using more likely, less likely, equally likely, certain, or impossible



PARENT RESOURCE

Grade 2 Mathematics

▶ Hartford School District

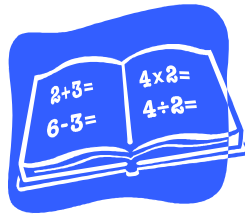
Hartford School District
73 Highland Ave
White River Junction, VT 05001

Phone: 802-295-8600
Fax: 802-295-8602

▶ Grade 2 Mathematics

The goal of second grade mathematics instruction is for all students to achieve mathematical proficiency.

The end result is the ability to think and reason mathematically and use mathematics to solve problems. The following outline provides an overview of what students should know and be able to do by the end of second grade.



Work with Numbers

- numbers 0-1000
- *read and write* numbers
- *compare* numbers to determine which is more or less
- put numbers in *order*
- compare whole numbers to benchmark numbers such as 10, 25, 50, 75, 100, etc.
- develop understanding of place value (ones, tens, hundreds) and expanded notation ($200+10+7=217$)
- develop understanding of even and odd numbers
- develop understanding of basic fractions (halves, thirds, and fourths)
- add and subtract problems in and out of context
- memorize addition facts to 20
- recognize equivalent coin representations of the same value
- add and subtract money amounts to \$1.99
- make change from \$1.00

Work with Geometry and Measurement

- *recognize and name* rectangular prisms, triangular prisms, cylinders, or spheres and match them to objects in the environment
- develop understanding of area and perimeter
- use coordinates to locate points on a grid
- label grids with x and y axes
- develop understanding of minute, hour, day, week, month, and year
- 12 inches in 1 foot, 100 centimeters in 1 meter, 60 minutes in 1 hour
- measure to the nearest inch or centimeter
- tell time to the fifteen minute interval
- sequence events in terms of days, months, and seasons
- name the days of the week or months of the year in sequence
- develop understanding of yesterday, today and tomorrow