

GRADE 1 MATHEMATICS

The First Grade Mathematics Program is a success oriented program that enables the students to develop a solid foundation in both the language and basic concepts of all areas of mathematics. The curriculum through Houghton Mifflin Series provides activities and language appropriate for a heterogeneous class at the first grade level. Each of the 130 lessons is presented in increments, allowing time for practice. Skills presented in a lesson are met again throughout the year for reinforcement and practice.

Number Sense

Students will:

- Identify numerals 1-100.
- Name numerals 1-10.
- Be able to count using 1-1 correspondence.
- Order numbers smallest to greatest.
- Identify fractions $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ and be able to show what they mean.
- Compute word problems.
- Count by 1's, 2's, 5's, 10's.
- Learn to measure by inches.
- Learn to tell time to the hour and half hour.
- Know the value of money and how to count it.
- Learn to graph data.
- Recognize and be able to continue patterns and sequences.
- Know what are odd and even numbers.
- ^ Grouping property of addition
- ^ Doubles and doubles plus one
- ^ Strategies to demonstrate knowledge of addition/subtraction facts

Addition

Students will:

- Add one digit numbers.
- Add two digit numbers.
- Write number sentences to match word problems.
- Identify math fact families.
- Learn doubles plus one facts.
- Place value.
- Learn the meaning of zero.

Geometry

Students will:

- Know geometric terms.
- Measure angles.
- Construct angles.
- Identify plane figures.
- Recognize symmetry
- Recognize sides, flips and turns of a shape.

Measurement

Students will:

- Measure length in standard and metric forms.
- Estimate length in standard and metric forms.
- Determine time and elapsed time.
- Calculate the perimeter of a shape using manipulatives.
- Calculate the area of a shape using manipulatives.
- Determines the volume of a 3 dimensional figure using manipulatives.

Tables and Graphs

Students will:

- Analyze, use and constructs a line graph.
- Analyze, use and construct a bar graph.
- Analyze, use and construct a pictograph.
- Read a coordinate graph.

Materials:

- Overhead projector and transparencies
- Manipulatives
- Rulers
- Coins
- Graph paper
- Houghton Mifflin Math Student Book Volume Set 1-8
- Houghton Mifflin Math Practice Books
- Houghton Mifflin Math Big Books
- Houghton Mifflin Math Chapter Challenges
- Houghton Mifflin Math Lesson Transparencies
- Houghton Mifflin Math Daily Routines Flip Chart
- Houghton Mifflin Math Unit Resource Folders

Instruction:

The following are the components of the each math lesson:

- The meeting
- The lesson
- Written and oral practice
- Cooperative learning
- Group discussions
- Assessment.

Teachers will:

- Oversee Math Meeting
- Review facts by using daily math sheets
- Introduce the lesson
- Distribute manipulatives to reinforce the lesson
- Conference with each child about their worksheet
- Assign the homework which coincides with the day's lesson

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