

# MATH

## Math Grade 2

### M.2.A Money

#### A.1. Students will:

- a) Read and write amounts in decimal notation (on paper & with a calculator).
- b) Understand the concept of making change from a dollar.
- c) Count and express values of bills and coins in various ways to \$2.00.

### M.2.B Time

#### B.1. Students will:

- a) Read and write to 5 minute intervals; A.M.-P.M.
- b) Understand and manipulate calendar concepts: days, weeks, months (identify names), and yrs (12 months).

### M.2.C Measurement

#### C.1. Students will:

- a) Understand relationship between inches, feet, and yards.
- b) Recognize and use appropriate forms of measurement (e.g. baby's weight – is it measured in inches, pounds, or cups?)
- c) Accurately measure to the nearest inch, cm., and degree using – ruler, yardstick, tape measure, and thermometer.

### M.2.D Data

#### D.1. Students will:

- a) Manipulate numbers by a given rule (Number Grid Puzzles, Frames/Arrows, What's My Rule, In-Out Boxes, Function Machine, etc.) using patterns to find the unknown.
- b) Will know how to graph – create, read, interpret/compare, and analyze simple bar graphs and tables.
- c) Find minimum, maximum, mode, and median of a data set.

### M.2.E Geometry

#### E.1. Students will:

- a) Identify and tell the difference between 2 & 3 dimensional objects (2-D: pentagon, hexagon, octagon; 3-D: cone, sphere, cube, rectangle, prism, and cylinder).
- b) Identify, draw, and label a line segment.
- c) Identify and draw parallel and non-parallel lines.

## M.2.F Fractions

### F.1. Students will:

- Give a fractional name for the shaded part –  $\frac{1}{4}$ s,  $\frac{1}{2}$ s, and  $\frac{1}{3}$ s.
- Understand that fractions are equal parts of a whole.
- Be able to shade fractional region –  $\frac{1}{2}$ s,  $\frac{1}{3}$ s,  $\frac{1}{4}$ s.

## M.2.G Number Operations

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### G.1. Students will:

- Automatically know their 0-18 addition facts.
- Automatically know their 0-14 subtraction facts.
- Add double digit w/ and w/o regrouping.
- Subtract double digit w/o regrouping.
- Make and explain reasonable estimates for whole number addition and subtraction problems.

## M.2.H Number Stories

### H.1. Students will:

- Read, understand, and write a “3” sentence story problem.
- Choose the correct strategy either addition or subtraction to solve the story problem accurately.
- Be able to explain how they solved the story problem.

## M.2.I Place Value

### I.1. Students will:

- Demonstrate, read, and compare the values of digits in 2, 3, 4, and 5 digit numbers;  $<$ ,  $>$ , and  $=$ .
- Manipulate digits in a given place (i.e. use “these” digits to make smallest/largest numbers).
- Round to the nearest 10.

## M.2.J Number Sense

### J.1. Student will:

- Count by 2s, 5s, 10s from a given number past 1,000.
- Count back by 1s from any number less than 1,000.
- Recognize numbers as odd or even.

## M.2.K Patterns & Algebra

### K.1. Student will:

- Read, create, and explain number sentences using the symbols  $+$ ,  $-$ ,  $=$ ,  $>$ , and  $<$ ; write expressions and number sentences to model number stories.
- Describe the Commutative and Associative Properties of Addition.

