

# MATH

## Math Grade 3

### M.3.A Money

#### A.1. Students will:

- a) Understand the concept of making change (dollars and coins) - story problems.
- b) Read and write amounts in decimal notation by paper and calculator.
- c) Count and express values of bills/coins in various ways.

### M.3.B Time

#### B.1. Students will:

- a) Demonstrate passage of time (hours and minutes).
- b) Understand and manipulate calendar concepts: days, weeks, months, and years.
- c) Read and write to 1 minute intervals; A.M./P.M.

### M.3.C Measurement

#### C.1. Students will:

- a) Measure to the nearest  $\frac{1}{2}$  inch and  $\frac{1}{2}$  cm and estimate length with and without tools.
- b) Know units of measure (length/weight/area/perimeter)
- c) Understand capacity.
- d) Convert inches, feet, and yards.

### M.3.D Data

#### D.1. Students will:

- a) Know how to graph – create and interpret tally charts, tables, bar graphs, and line plots.
- b) Find minimum, maximum, mode, range, and median of a data set.

### M.3.E Geometry

#### E.1. Students will:

- a) Identify, draw, and name line segments, lines, and rays that are parallel or intersect.
- b) Identify and construct 2-D and 3-D shapes (vertex, base, and face edge).
- c) Identify and draw angles (right, acute, and obtuse).
- d) Understand symmetry.

### M.3.F Probability

#### F.1. Students will:

- a) Understand language of probability.
- b) Use spinners or random draws to predict outcomes.

### M.3.G Fractions

#### G.1. Student will:

- a) Identify fractional parts of a region or set ( $\frac{1}{6}$ ,  $\frac{1}{8}$ ,  $\frac{1}{10}$ ).
- b) Compare and order fractions.
- c) Match equivalent fractions ( $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{1}{3}$ ).

### M.3.H Basic Facts

#### H.1. Student will:

- a) Score 90% or better on a 5 minute, 70 problem test with addition and subtraction of multi-digit numbers.
- b) Score 90% or better on 0-10 multiplication test.
- c) Know 0-18 subtraction facts, automatically solve addition facts, and multi-step story problems.
- d) Solve problems involving multiplication of 2 – and 3 - digit whole numbers by 1- digit whole numbers and describe strategies used.

### M.3.I Number Sense

#### I.1. Student will:

- a) Read, write, and compare numbers (up to 7 digit whole numbers).
- b) Understand place value of whole numbers (up to 7 digits) and decimals (to hundredths).
- c) Read and write 1 and 2 digit decimals.

### M.3.J Patterns & Algebra

#### J.1. Student will:

- a) Read, write, and explain number sentences using the symbols, +, -, =, >, and <; write expressions and number sentences to model number stories.
- b) Describe and apply the Commutative and Associative Properties of Addition and the Commutative Property of Multiplication.