

Focus Statement: Students will solve addition and subtraction problems including regrouping, problem solving, and real world situations. Students will use units of measure to tell time and count money.

Throughout all outcomes, second grade students will use problem solving strategies including estimation and pattern identification (in addition to problem solving strategies from previous grades)

M.A.2.1 Students will analyze and interpret data using pictographs/bar/line graphs and predict outcomes.

M.A.2.1.1 Analyze and interpret data using pictographs including pictures that represent 2, 5, or 10 units.

M.A.2.1.2 Analyze and interpret data using bar graphs.

M.A.2.1.3 Analyze and interpret data using line graphs.

M.A.2.1.4 Describe the probability of an event as “likely” or “unlikely.”

M.A.2.2 Students will identify and compare numbers up to the hundred thousands place.

M.A.2.2.1 Read and write numbers to the hundred thousands place.

M.A.2.2.2 Identify place value to the hundred thousands place.

M.A.2.2.3 Compare four-digit numbers using the symbols $<$, $>$, and $=$.

M.A.2.2.4 Order four-digit numbers from least to greatest and greatest to least.

M.A.2.2.5 Estimate three-digit numbers to the nearest 100 by rounding.

M.A.2.3 Students will count coins and dollar amounts.

M.A.2.3.1 Identify values of all U.S. coins up to one dollar.

M.A.2.3.2 Count money amounts up to \$10.00.

M.A.2.3.3 Identify different coin combinations for a determined amount up to \$1.00.

M.A.2.4 Students will solve three-digit addition problems with two regroupings and apply addition to real world situations.

M.A.2.4.1 Solve three-digit addition problems with one regrouping.

M.A.2.4.2 Solve three-digit addition problems with two regroupings.

M.A.2.4.3 Solve three-digit addition problems with three addends including regrouping.

M.A.2.4.4 Estimate sums by rounding to the nearest 100.

M.A.2.4.5 Add money amounts with two regroupings up to \$100.

M.A.2.4.6 Solve two-step addition story problems including regrouping.

M.A.2.5 Students will solve three-digit subtraction problems with two regroupings and apply subtraction to real world situations.

M.A.2.5.1 Solve three-digit subtraction problems with one regrouping.

M.A.2.5.2 Solve three-digit subtraction problems with two regroupings.

M.A.2.5.3 Estimate differences by rounding to the nearest 100.

M.A.2.5.4 Subtract money amounts with two regroupings less than \$100.

M.A.2.5.5 Choose the correct addition or subtraction operation to compute story problems including addition and subtraction with regrouping.

M.A.2.5.6 Solve two-step addition and subtraction story problems including addition and subtraction with regrouping.

M.A.2.6 Students will multiply fluently with factors up to 9.

M.A.2.6.1 Identify factors and products.

M.A.2.6.2 Compute basic multiplication facts 0-9 with numerical fluency.

M.A.2.6.3 Multiply with three factors using facts 0-9.

M.A.2.6.4 Solve basic multiplication story problems using facts 0-9.

M.A.2.7 Students will divide fluently with divisors up to 9 and dividends up to 81.

M.A.2.7.1 Identify dividend, divisor, and quotient.

M.A.2.7.2 Compute basic division facts 1-9 with numerical fluency.

M.A.2.7.3 Solve basic division story problems using facts 1-9.

M.A.2.8 Students will measure time and temperature.

M.A.2.8.1 Use analog and digital clocks to tell time to the exact minute.

M.A.2.8.2 Calculate elapsed time in half hour intervals.

M.A.2.8.3 State the temperature on a thermometer to the nearest degree using Celsius and Fahrenheit.

M.A.2.9 Students will estimate measurements and will use the customary and metric systems to measure length, capacity, and weight/mass.

M.A.2.9.1 Use rulers to measure length to the nearest inch up to 12 inches.

M.A.2.9.2 Use rulers to measure length to the nearest centimeter up to 12 cm.

M.A.2.9.3 Estimate capacity compared to milliliters and liters.

M.A.2.9.4 Estimate weight compared to ounces and pounds.

M.A.2.9.5 Estimate mass compared to grams and kilograms.

M.A.2.9.6 Use grid paper to measure perimeter and area.

M.A.2.10 Students will identify and compare geometric shapes, lines of symmetry, congruent figures and fractions.

M.A.2.10.1 Identify and determine three-dimensional figures including cubes, cylinders, spheres, cones, rectangular prisms, and pyramids according to the number of faces, edges and vertices.

M.A.2.10.2 Create lines of symmetry in simple figures.

M.A.2.10.3 Identify congruent simple figures.

M.A.2.10.4 Identify and write fractions up to twelfths and fractions of a set of twelfths.