
Coal City Unit District #1
Second Grade
Math Curriculum

MA.2:1 Students will solve problems involving addition and subtraction. (OA-1, OA-2)

- MA.2:1-1 Solve and or draw addition problems with sums no greater than 100.
- MA.2:1-2 Determine missing addend in a one step addition problem.
- MA.2:1-3 Determine missing addend in a two step addition problem.
- MA.2:1-4 Solve and or draw addition or subtraction problems with a top number no greater than 100 using mental math or paper pencil.
- MA.2:1-5 Determine the missing number in a one step subtraction problem.
- MA.2:1-6 Determine the missing number in a two step subtraction problem.
- MA.2:1-7 Solve addition or subtraction word problems within 100 using drawings and or equations.
- MA.2:1-8 Add and subtract within 100 on a number line.

MA.2:2 Students will work with objects to gain foundations for multiplication. (OA-3, OA-4)

- MA.2:2-1 Determine whether a number is even or odd.
- MA.2:2-2 Identify and write an equation to show an even sum when adding equal addends. (e.g. $7+7=14$)
- MA.2:2-3 Identify and write an addition problem that matches the arrays with no more than 5 rows and 5 columns. (e.g. $5+5+5+5=20$)

MA.2:3 Students will demonstrate an understanding of place value. (NBT-1)

- MA.2:3-1 Determine the value of each digit in a three digit number. (e.g. 706 equals 7 hundreds)
- MA.2:3-2 Identify numbers to 1000 using base ten numerals.
- MA.2:3-3 Identify numbers to 1000 using number names.
- MA.2:3-4 Identify numbers to 1000 using expanded form.

MA.2:4 Students will demonstrate an understanding of counting. (NBT-2, 3)

- MA.2:4-1 Determine the next number in a pattern.
- MA.2:4-2 Identify numbers to 1000.

MA.2:5 Students will be able to compare numbers and add numbers using base ten value. (NBT-4, NBT-5)

- MA.2:5-1 Add two digit numbers with a sum less than 100 without regrouping.
- MA.2:5-2 Add two digit numbers with a sum less than 100 with regrouping.
- MA.2:5-3 Add and subtract three digit number.
- MA.2:5-4 Subtract two digit numbers without regrouping.
- MA.2:5-5 Subtract two digit numbers with regrouping.
- MA.2:5-6 Compare two or three-digit numbers using greater than, less than, and equal to.

MA.2:6 Students can add and subtract. (NBT-8, NBT-9, NBT-6, NBT-7)

- MA.2:6-1 Add 10 to a given number.
- MA.2:6-2 Add 100 to a given number.
- MA.2:6-3 Subtract 10 from a given number.
- MA.2:6-4 Subtract 100 from a given number.
- MA.2:6-5 Add up to four, two-digit numbers with/without regrouping.
- MA.2:6-6 Explain why strategies work.

MA.2:7 Students can solve problems involving measurement. (MD-1, MD-2, MD-3, MD-4, MD-5, MD-6)

- MA.2:7-1 Determine the length of a classroom object using different units (e.g. pencils, paper clips, cubes, crayons, etc.)
- MA.2:7-2 Compare lengths related to the different units of measure.
- MA.2:7-3 Determine lengths using different measuring tools (e.g. rulers, yardsticks, meter sticks, and measuring tapes)
- MA.2:7-4 Compare the length of two objects.
- MA.2:7-5 Estimate an item's length using inches, feet, centimeters, and meters.

MA.2:8 Students can solve problems using clocks and money. (MD-7, MD-8)

- MA.2:8-1 Determine the time accurately to 5 minutes in am/pm using analog clocks.
- MA.2:8-2 Determine the time accurately to 5 minutes in am/pm using digital clocks.
- MA.2:8-3 Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies.
- MA.2:8-4 Use dollar and cent symbols correctly.

MA.2:9 Students will demonstrate an understanding of graphs. (MD-9 and MD-10)

- MA.2:9-1 Interpret and draw information from a picture graph.
- MA.2:9-2 Interpret and draw information from a bar graph.
- MA.2:9-3 Solve simple comparison problems using a bar graph.
- MA.2:9-4 Solve simple comparison problems using a picture graph.
- MA.2:9-5 Identify measurements of several objects on a line plot.

MA.2:10 Students will demonstrate an understanding of geometric shapes. (G-1, G-2)

- MA.2:10-1 Identify and draw triangles, quadrilaterals, pentagons, hexagons, cones, rectangular prisms, spheres, pyramids, and cubes and their specific attributes. (e.g. number of angles, faces, and vertices)
- MA.2:10-2 Determine the area of a rectangle using same size squares.

MA.2:11 Students will demonstrate an understanding of fractions. (G-3)

- MA.2:11-1 Divide shapes into 2, 3, and 4 equal parts.
- MA.2:11-2 Identify the parts of a whole. (e.g. halves, thirds, fourths, half of, and a third of)
- MA.2:11-3 Identify a shape that has been divided into equal parts. (e.g. 2 halves, 3 thirds, and 4 fourths)