
Coal City Unit District #1
First Grade
Math Curriculum

MA.1:1 Students will represent and solve problems involving addition.

- MA.1:1-1 Create a drawing to represent and solve addition word problems within 20. (1.OA.1).
- MA.1:1-2 Write an addition sentence to find the whole given two parts within 20. (1.OA.1)
- MA.1:1-3 Create a drawing to represent and solve addition word problems using 3 whole numbers less than or equal to 20. (1.OA.2)
- MA.1:1-4 Write a number sentence to represent and solve addition word problems using 3 whole numbers less than or equal to 20. (1.OA.2)
- MA.1:1-5 Recognize parts of a number as a strategy for addition. (1.OA.1)
- MA.1:1-6 Find the missing part, when one part and the whole is given. (1.OA.8)
- MA.1:1-7 Use a (part/part/whole) model to find missing parts of 10. (1.OA.8)

MA.1:2 Students will represent and solve problems involving subtraction.

- MA.1:2-1 Create a drawing to represent and solve subtraction word problems within 20. (1.OA.1)
- MA.1:2-2 Write a subtraction sentence for a taking away story. (1.OA.1)
- MA.1:2-3 Write a subtraction sentence for a missing part story. (1.OA.1)

MA.1:3 Students will understand and apply properties of operations and the relationship between addition and subtraction.

- MA.1:3-1 Use a part-part-whole model to find the subtraction facts and addition facts in a fact family. (e.g. $8+3=11$ so $3+8=11$). (1.OA.3)
- MA.1:3-2 Use related addition facts to solve subtraction facts. ($9 - 6$, so $__ + 6 = 9$) (1.OA.4)

MA.1:4 Students will solve addition and subtraction equations within 20.

- MA.1:4-1 Solves addition equations within 20. (1.OA.6)
- MA.1:4-2 Solves addition equations fluently within 10. (1.OA.6)
- MA.1:4-3 Solves subtraction equations within 20. (1.OA.6)
- MA.1:4-4 Solves subtraction equations fluently within 10. (1.OA.6)

MA.1:5 Students will extend the counting sequence.

- MA.1:5-1 Count orally to 120. (1.NBT.1)
- MA.1:5-2 Read numbers to 120. (1.NBT.1)
- MA.1:5-3 Write numbers to 120. (1.NBT.1)
- MA.1:5-4 Write a number to represent an amount of objects up to 120. (1.NBT.1)
- MA.1:5-5 Count by tens up to 120. (1.NBT.1:5-5)

MA.1:6 Students will show understanding of place value.

- MA.1:6-1 Identify that a group of 10 things is a bundle of 10. (1.NBT.2A)
- MA.1:6-2 Identify that a two-digit number is made up of tens and ones. (1.NBT.2B)
- MA.1:6-3 Identify that a teen number is one bundle of ten + ones. (1.NBT.2B)
- MA.1:6-4 Identify that the numbers 10 through 90 (by 10's) refer to one, two, three, four, five, six, seven, eight, nine groups of ten and no ones. (1.NBT.2C)
- MA.1:6-5 Compare two digit numbers and record the results using the symbols $<$, $>$, and $=$. (1.NBT.3)
- MA.1:6-6 Show a number using base ten blocks with a written numeral up to 120. (1.NBT.2)
- MA.1:6-7 Orders 3 numbers (0-120), from least to greatest. (1.NBT.2)

MA.1:7 Students will use place value understanding and properties of operations to add and subtract.

- MA.1:7-1 Add a two-digit number and a one-digit number within 100. (1.NBT.4)
- MA.1:7-2 Add a two-digit number and a number that is a multiple of ten within 100. (1.NBT.4)
- MA.1:7-3 Subtract a multiple of ten from a 2-digit number. (1.NBT.6)

MA.1:8 Students will order and measure objects by length.

- MA.1:8-1 Compare objects by length. (1.MD.1)
- MA.1:8-2 Order objects by length. (1.MD.1)
- MA.1:8-3 Measure objects using paperclips, straws, or cubes. (1.MD.2)
- MA.1:8-4 Show awareness that you need more objects, when measuring with smaller units. (1.MD.2)

MA.1:9 Students will show time to hour and half hour.

- MA.1:9-1 Tell, write, and show time in hours using analog clocks. (1.MD.3)
- MA.1:9-2 Tell, write, and show time in hours using digital clocks. (1.MD.3)
- MA.1:9-3 Tell, write, and show time in half-hours using analog clocks. (1.MD.3)
- MA.1:9-4 Tell, write, and show time in half-hours using digital clocks. (1.MD.3)

MA.1:10 Students will organize, represent, and interpret data on a graph.

- MA.1:10-1 Sort data with up to three categories. (1.MD.4)
- MA.1:10-2 Show data with up to three categories. (1.MD.4)
- MA.1:10-3 Answer questions about total data. (1.MD.4)
- MA.1:10-4 Answer questions about how many in each category. (1.MD.4)
- MA.1:10-5 Answer questions about how many more or less are in each category. (1.MD.4)

MA.1:11 Students will distinguish and define attributes of geometric shapes.

- MA.1:11-1 Identify, name, and sort plane shapes. (1.G.1)
- MA.1:11-2 Sort plane shapes and identify their properties. (1.G.1)
- MA.1:11-3 Identify, name, and sort geometric solids.(1.G.1)
- MA.1:11-4 Count the number of faces and vertices on geometric solids.(1.G.1)
- MA 1:11-5 Combine plane shapes to make different pictures. (1.G.2)

MA.1:12 Students will identify or divide shapes into equal parts.

- MA.1:12-1 Divide shapes into two equal halves.(1.G.3)
- MA.1:12-2 Divide shapes into fourths.(1.G.3)
- MA.1:12-3 Recognize shapes that have 2 equal parts. (1.G.3)
- MA.1:12-4 Recognize shapes that have 4 equal parts. (1.G.3)
- MA.1:12-5 Identify shapes that have half shaded. (1.G.3)