

WYOMING MATHEMATICS CONTENT AND PERFORMANCE STANDARDS

GRADE 2

1. NUMBER OPERATIONS AND CONCEPTS

Students use numbers, number sense, and number relationships in a problem-solving situation.

NOTE: Students communicate the reasoning used in solving these problems.

They may use tools/technology to support learning.

MA2.1.1	Students use the concept of place value to read and write designated numbers up to 999.	2.NBT.3 (Read and write numbers to 1000 ...)
MA2.1.2	Students compare and order whole numbers up to 999.	2.NBT.4 (Compare two three-digit numbers ...)
MA2.1.3	Students use coins to compare the values and make combinations up to one dollar.	2.MD.8 (Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies ...)
MA2.1.4	Students demonstrate computational fluency with basic facts (add to 20, subtract from 10).	2.OA.2 (Fluently add and subtract within 20 using mental strategies...)
MA2.1.5	Students use mental math (fact families) and estimation strategies (referent to a group of 10) to solve problems.	1.OA.6 (Add and subtract within 20, demonstrating fluency for addition and subtraction within 10...)
MA2.1.6	Students look for patterns and use guess and check as strategies to solve problems.	Core Practice #7
MA2.1.7	Students communicate their choice of appropriate grade level procedures and results when performing operations in a problem-solving situation.	2.NBT.9 (Explain why addition and subtraction strategies work ...) Core Practice #6

2. GEOMETRY

Students apply geometric concepts, properties, and relationships in a problem-solving situation.

NOTE: Students communicate the reasoning used in solving these problems. They may use tools/technology to support learning.

MA2.2.1	Students name, classify, and describe 2- and 3-dimensional geometric objects.	2.G.1 (Recognize and draw shapes having specified attributes, ...)
MA2.2.2	Students identify lines of symmetry in various geometric objects.	4.G.3 (Recognize a line of symmetry for a two-dimensional figure ...)
MA2.2.3	Students select, use, and communicate organizational methods in problem- solving situations with 2- and 3- dimensional objects.	2.G.1 (Recognize and draw shapes having specified attributes, ...) Core Practice #6

3. MEASUREMENT

Students use a variety of tools and techniques of measurement in a problem-solving situation.

NOTE: Students communicate the reasoning used in solving these problems. They may use tools/technology to support learning.

MA2.3.1	Students apply estimation and measurement of length to content problems using standard units to the nearest inch.	2.MD.1 (Measure the length of an object by selecting and using appropriate tools such as rulers,...) 2.MD.2 (Measure the length of an object twice, using length units of different lengths for the two measurements; ...)
MA2.3.2	Students apply estimation and measurement of weight to content problems using non-standards units.	
MA2.3.3	Students tell time, using both analog and digital clocks to the nearest five minutes.	2.MD.7 (Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.)

4. ALGEBRA

Students use algebraic methods to investigate, model, and interpret patterns and functions involving numbers, shapes, data, and graphs in a problem-solving situation.

NOTE: Students communicate the reasoning used in solving these problems. They may use tools/technology to support learning.

MA2.4.1	Students recognize, describe, create, and extend patterns by using manipulatives and graphic representations.	4.OA.5 (Generate a number or shape pattern that follows a given rule...) Core Practice #7
MA2.4.2	Students apply knowledge of appropriate grade-level patterns when solving problems.	4.OA.5 (See above) Core Practice #7

5. DATA ANALYSIS AND PROBABILITY

Students use data analysis and probability to analyze given situations and the results of experiments.

NOTE: Students communicate the reasoning used in solving these problems. They may use tools/technology to support learning.

MA2.5.1	Students collect, organize, and report data using graphs and Venn diagrams.	2.MD.9 (...Show the measurements by making a line plot,...) 2.MD.10 (Draw a picture graph and a bar graph ...)
MA2.5.2	Students communicate conclusions about a set of data using graphs and Venn diagrams.	2.MD.9 (See above) 2.MD.10 (See above) Core Practice #6
MA2.5.3	Students perform and record results of simple probability experiments using equally and unequally divided spinners.	7.SP.5 (Understand probability expresses the likelihood of an event occurring and is expresses as a number between 0 and 1) 7.SP. 6 (Predict relative frequency of various probabilities) 7.SP.7 (Develop a probability model and use it to find probabilities of events) 7.SP.8 (Find probabilities of compound events using organized lists, ...)