

# Grade 2

Adopted 2023

## Second Grade

### Math Attributes

#### Problem-Solving

- P.** Learners can identify and use strategies to problem-solve situations and determine an appropriate solution. **2.MA.P**

#### Connections

- C.** Learners can use prior knowledge and experiences to explain their thinking. **2.MA.C**

#### Reasoning and Proof

- R.** Learners can use prior knowledge and experiences to explain their thinking. **2.MA.R**

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### Number and Operations

#### Counting and Cardinality

1. Count forward from any given number within 1000. **2.NO.CC.1**
2. Count backward from any given number within 1000. **2.NO.CC.2**
3. Read and write numbers up to 1000 using standard, word, and expanded forms. **2.NO.CC.3**
4. Skip count forward and backward by 2s and 100s and recognize the patterns of skip counts. **2.NO.CC.4**

#### Base Ten

1. Understand that the three digits of a three-digit number represent a composition of some hundreds, some tens, and some ones. **2.NO.NBT.1**
2. Compare two three-digit numbers using symbols  $>$ ,  $<$ , and  $=$ . Justify comparisons based on the value of hundreds, tens, and ones. **2.NO.NBT.2**
3. Add within 100 using place value strategies and/or the relationship between addition and subtraction. **2.NO.NBT.3**
4. Subtract within 100 using place value strategies and/or the relationship between addition and subtraction. **2.NO.NBT.4**
5. Mentally add or subtract 10 or 100 to or from a given number between 100 and 900. **2.NO.NBT.5**

## Fractions

1. Partition circles and rectangles into two, three, or four equal shares. Describe the shares using the language of halves, thirds, fourths, half of, a third of, and a fourth of. **2.NF.1**
  2. Recognize that identical wholes can be equally divided in different ways. **2.NF.2**
  3. Recognize that partitioning shapes into more equal shares creates smaller shares. **2.NF.3**
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## Algebraic Reasoning

### Operations and Algebraic Thinking (OA)

1. Automatically add and subtract within 20. **2.OA.1**
  2. Apply the properties of operations to solve addition and subtraction equations within 100 and justify thinking. **2.OA.2**
  3. Solve one- and two-step authentic word problems with addition within 100, including the use of unknowns. **2.OA.3**
  4. Solve one- and two-step authentic word problems with subtraction within 100, including the use of unknowns. **2.OA.4**
  5. Use repeated addition to find the total number of objects arranged in a rectangular array. **2.OA.5**
  6. Identify a group of objects from 0 to 20 as even or odd by showing even numbers as a sum of two equal parts. **2.OA.6**
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## Geometry and Measurement

### Geometry

1. Identify two-dimensional shapes (parallelograms and quadrilaterals). **2.G.1**
2. Identify two-dimensional shapes found within three-dimensional shapes. **2.G.2**
3. Compose geometric shapes having specified geometric attributes, such as a given number of edges, angles, faces, vertices, and/or sides. **2.G.3**

### Measurement

1. Measure the length of an object using two different standard units of measurement. Describe how the two measurements relate to the size of the units chosen. **2.M.1**
2. Estimate and measure to determine how much longer one object is than another, expressing the difference with a standard unit of measurement. **2.M.2**
3. Tell and write time to the nearest five minutes (including quarter after and quarter to) with a.m. and p.m. using analog and digital clocks. **2.M.3**
4. Count collections of money (quarters, dimes, nickels, and pennies) relating to counting patterns by 1s, 5s, and 10s up to one dollar. **2.M.4**

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## Data, Probability, and Statistics

### Data

1. Formulate questions and collect, organize, and represent data with up to four categories using single unit scaled picture and bar graphs. [2.DPS.D.1](#)
2. Generate data and create line plots marked in whole-number units. [2.DPS.D.2](#)
3. Analyze data and interpret the results to solve one-step comparison problems using information from the graphs. [2.DPS.D.3](#)