

# Essential Elements: Grade 2

## Operations and Algebraic Thinking 2.OA

### A Represent and solve problems involving addition and subtraction. M.2.OA.A

- 1 Not applicable. See M.EE.3.OA.6.
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### B Add and subtract within 20. M.2.OA.B

- 2 Not applicable. See M.EE.2.NBT.7 and M.EE.3.OA.6.
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### C Work with equal groups of objects to gain foundation for multiplications. M.2.OA.C

- 3 Equally distribute even numbers of objects between two groups. M.EE.2.OA.3
  - 4 Use addition to find the total number of objects arranged within equal groups up to a total of 10. M.EE.2.OA.4
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## Number and Operations in Base Ten 2.NBT

### A Understand place value. M.2.NBT.A

- 1 Represent numbers up to 30 with objects in sets of tens and ones (e.g., ten frames, hundreds chart, columns). M.EE.2.NBT.1
- 2 Extend understanding of numbers and quantities. M.EE.2.NBT.2
  - a Count to answer "how many?" questions about as many as 30 things. M.EE.2.NBT.2.A
  - b Given a number from 1-30, count out that many objects. M.EE.2.NBT.2.B
  - c Name the next number in a sequence between 1 and 10. M.EE.2.NBT.2.C
- 3 Identify numerals 1 to 30. M.EE.2.NBT.3
- 4 Compare sets of objects and numbers using accurate vocabulary (e.g., greater, more, less, equal). M.EE.2.NBT.4

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**B Use place value understanding and properties of operations to add and subtract.** M.2.NBT.B

- 5 Identify the meaning of the “+” sign (including combine, plus, add), “-” sign (including separate, subtract, take), and the “=” sign (including the same amount as, equal). M.EE.2.NBT.5
- 6 Using concrete models, compose and decompose numbers up to 10 in more than one way. M.EE.2.NBT.6
- 7 Use objects, representations, and numbers (0-20) to add and subtract. M.EE.2.NBT.7
- 8 Not applicable.
- 9 Not applicable.

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**Measurement and Data** 2.MD

**A Measure and estimate lengths in standard units.** M.2.MD.A

- 1 Measure the length of objects using non-standard units. M.EE.2.MD.1
- 2 Not applicable.
- 3 Order objects by length using non-standard units. M.EE.2.MD.3
- 4 Order objects by length using non-standard units. M.EE.2.MD.4

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**B Relate addition and subtraction to length.** M.2.MD.B

- 5 Increase or decrease length by adding or subtracting unit(s). M.EE.2.MD.5
- 6 Use a number line to add one more unit of length. M.EE.2.MD.6

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**C Work with time and money.** M.2.MD.C

- 7 Identify, on a digital clock, the hour that matches a routine activity. M.EE.2.MD.7
- 8 Recognize that money has value. M.EE.2.MD.8
- 9 Create physical bar graphs from sorted objects (e.g., line up different colored toy cars). M.EE.2.MD.9
- 10 Create physical bar graphs from sorted objects (e.g., line up different colored toy cars). M.EE.2.MD.10

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**Geometry** 2.G

**A Reason with shapes and their attributes.** M.2.G.A

- 1 Identify common two-dimensional shapes including squares, circles, triangles, and rectangles of various sizes and in various orientations. M.EE.2.G.1
- 2 Not applicable.
- 3 Not applicable. See M.EE.3.G.2 and M.EE.4.NF.1.