

# 2nd Grade

## Numbers N

### Counting

- 1 Count forward and backward from any number by 10s and 100s up to 1000. 2.N.1
- 2 Count forward and backward by 5s to 120. 2.N.2
- 3 Count forward and backward by 2s to 50 2.N.3
- 4 Determine whether a number is odd or even within 50. 2.N.4

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### Place Value

- 5 Given a two-digit or three-digit number, find the distance to the next ten or hundred, and prior ten or hundred. 2.N.5
- 6 Compose and decompose three-digit numbers into hundreds, tens and ones. 2.N.6
- 7 Read, write, and identify numbers up to 1000 in standard form, word form, and expanded form. 2.N.7
- 8 Compare two three-digit numbers using the symbols  $<$ ,  $>$ ,  $=$ , based on the value of the hundreds, tens, and ones in the given numbers. 2.N.8

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## Operations and Algebraic Thinking OA

### Number Operations

- 1 Demonstrate understanding of addition problems using properties (commutative, associative, and additive identity) within 100. 2.OA.1
- 2 Solve addition and subtraction problems within 100, using objects, drawings, open number lines, or equations with a symbol for the unknown number in any position. 2.OA.2
- 3 Solve addition and subtraction word problems within 100. 2.OA.3
- 4 Add up to four two-digit numbers using multiple strategies. 2.OA.4
- 5 Use place value understanding and visual models (e.g., base-ten blocks, number lines) to explain and justify addition and subtraction strategies up to 1000. 2.OA.5
- 6 Given a rectangular array (up to  $5 \times 5$ ), use repeated addition to find the total number of objects; write an addition equation to express the total. 2.OA.6

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## Fractions F

### Fraction Foundation

- 1 Partition circles and rectangles into two, three or four equal parts then count and describe the parts using the words halves, thirds, and fourths. ("one-fourth, two-fourths, threefourths"). 2.F.1

**Measurement** M

**Measurement Concepts**

- 1 Explore length of an object by lining up inch-sized manipulatives with no gaps or overlaps. 2.M.1
- 2 Estimate the length of an object using inches, feet, and yards. 2.M.2
- 3 Measure the length of objects using inches, feet, and yards. 2.M.3
- 4 Explore length of an object by lining up centimeter and decimeter-sized manipulatives with no gaps or overlaps. 2.M.4
- 5 Estimate the length of an object using centimeters, decimeters, and meters. 2.M.5
- 6 Measure the length of objects using centimeters, decimeters, and meters. 2.M.6

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**Time and Money**

- 7 Tell and write time to the nearest five minutes on analog and digital clocks and use a.m. and p.m. appropriately. 2.M.7
- 8 Solve problems involving time in 5-minute intervals. 2.M.8
- 9 Find the value of combinations of U.S. coins up to \$1 and bills up to \$100. 2.M.9
- 10 Identify and count coins and bills and apply that understanding to solve word problems. 2.M.10
- 11 Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using dollar sign and cent sign symbols appropriately. 2.M.11

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**Data**

- 12 Create tables, line plots, and bar graphs to represent a given set of data with up to four categories. 2.M.12
- 13 Interpret and analyze data presented with tables, line plots, picture graphs, and bar graphs. 2.M.13

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**Geometry** G

**Shapes**

- 1 Recognize, identify, and describe attributes (such as number of angles and number of sides) of polygons including triangles, quadrilaterals, pentagons, hexagons, and octagons. 2.G.1
- 2 Describe the differences between quadrilaterals (including squares, rectangles, and trapezoids) using attributes (such as congruent sides, parallel sides, and right angles). 2.G.2
- 3 Identify regular and irregular two-dimensional shapes. 2.G.3
- 4 Partition a rectangle into rows and columns of same-size squares and count to find the total number of them. 2.G.4

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**Mathematical Fluency**

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**Fluently add within 100 using various**

- 1 **Fluently add within 100 using various strategies.** 2.MF.1

strategies. 2.MF.1

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Fluently subtract within 100 using various strategies. 2.MF.2

2 Fluently subtract within 100 using various strategies. 2.MF.2

Recall from memory addition facts within 20 2.MF.3

3 Recall from memory addition facts within 20 2.MF.3

Recall from memory subtraction facts within 20. 2.MF.4

4 Recall from memory subtraction facts within 20. 2.MF.4

Mentally calculate 10 more, 10 less, 100 more and 100 less than a given three-digit number 100-900. 2.MF.5

5 Mentally calculate 10 more, 10 less, 100 more and 100 less than a given three-digit number 100-900. 2.MF.5