

# Third Grade

## Operations and Algebraic Thinking 3.OA

### A. Major Cluster: Represent and solve problems involving multiplication and division. 3.OA.A

- 1 Use repeated addition to find the total number of objects and determine the sum. EE.3.OA.1-2
- 2 Use repeated addition to find the total number of objects and determine the sum. EE.3.OA.1-2
- 3 See EE.3.OA.1 and EE.5.NBT.5
- 4 Solve addition and subtraction problems when result is unknown, limited to operands and results within 20. EE.3.OA.4

### B. Major Cluster: Use properties of operations and the relationship between multiplication and division. 3.OA.B

- 5 See EE.N-CN.2
- 6 See EE.5.NBT.6–7

### C. Major Cluster: Multiply and divide within 100. 3.OA.C

- 7 See EE.7.NS.2.a and EE.7.NS.2.b

### D. Major Cluster: Solve problems involving the four operations and identify and explain patterns in arithmetic. 3.OA.D

- 8 Solve one-step real-world problems using addition or subtraction within 20. EE.3.OA.8
- 9 Identify arithmetic patterns. EE.3.OA.9

## Number and Operations in Base Ten 3.NBT

### A. Additional Cluster: Use place value understanding and properties of operations to perform multidigit arithmetic. 3.NBT.A

- 1 Use decade numbers (10, 20, 30) as benchmarks to demonstrate understanding of place value for numbers 0–30. EE.3.NBT.1
- 2 Demonstrate understanding of place value to tens. EE.3.NBT.2
- 3 Count by tens using models such as objects, base ten blocks, or money. EE.3.NBT.3

**Number and Operations  
- Fractions** 3.NF

**A. Major Cluster: Understand fractions as numbers.** 3.NF.A

- 1 Differentiate a fractional part from a whole. EE.3.NF.1-3
  - 2 Differentiate a fractional part from a whole. EE.3.NF.1-3
  - 3 Differentiate a fractional part from a whole. EE.3.NF.1-3
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**Measurement and  
Data** 3.MD

**A. Major Cluster: Solve problems with time and measured quantities.** 3.MD.A

- 1 Tell time to the hour on a digital clock. EE.3.MD.1
  - 2 Identify the appropriate measurement tool to solve one-step word problems involving mass and volume. EE.3.MD.2
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**B. Supporting Cluster: Represent and Interpret Data.** 3.MD.B

- 3 Use picture or bar graph data to answer questions about data. EE.3.MD.3
  - 4 Measure length of objects using standard tools, such as rulers, yardsticks, and meter sticks. EE.3.MD.4
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**C. Major Cluster: Geometric measurement: understand concepts of area and relate area to multiplication and to addition.** 3.MD.C

- 5 See EE.4.MD.2
  - 6 See EE.4.MD.2
  - 7 See EE.4.MD.2
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**D. Additional Cluster: Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.** 3.MD.D

- 1 See EE.7.G.4 and EE.8.G.9
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**Geometry** 3.G

**A. Supporting Cluster: Reason with shapes and their attributes.** 3.G.A

- 1 Describe attributes of two-dimensional shapes. EE.3.G.1
- 2 Recognize that shapes can be partitioned into equal areas. EE.3.G.2