

FOCUS ON**TOPICS****MAJOR CLUSTER 3.OA.A**

Represent and solve problems involving multiplication and division.

- 1 Understand Multiplication and Division of Whole Numbers
- 2 Multiplication Facts: Use Patterns

MAJOR CLUSTER 3.OA.B

Understand properties of multiplication and the relationship between multiplication and division.

- 3 Apply Properties: Multiplication Facts for 3, 4, 6, 7, 8
- 4 Use Multiplication to Divide: Division Facts

MAJOR CLUSTER 3.OA.C

Multiply and divide within 100.

- 5 Fluently Multiply and Divide Within 100

MAJOR CLUSTER 3.MD.C

Geometric measurement: understand concepts of area and relate area to multiplication and to addition.

- 6 Connect Area to Multiplication and Addition

SUPPORTING CLUSTER 3.MD.B

Represent and interpret data.

- 7 Represent and Interpret Data

ADDITIONAL CLUSTER 3.NBT.A

Use place value understanding and properties of operations to perform multi-digit arithmetic.

- 8 Use Strategies and Properties to Add and Subtract
- 9 Fluently Add and Subtract Within 1,000
- 10 Multiply by Multiples of 10

MAJOR CLUSTER 3.OA.D

Solve problems involving the four operations, and identify and explain patterns in arithmetic.

- 11 Use Operations with Whole Numbers to Solve Problems

MAJOR CLUSTER 3.NF.A

Develop understanding of fractions as numbers.

- 12 Understand Fractions as Numbers
- 13 Fraction Equivalence and Comparison

MAJOR CLUSTER 3.MD.A

Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.

- 14 Solve Time, Capacity, and Mass Problems

SUPPORTING CLUSTER 3.G.A

Reason with shapes and their attributes.

- 15 Attributes of Two-Dimensional Shapes

ADDITIONAL CLUSTER 3.MD.D

Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.

- 16 Solve Perimeter Problems