Wisconsin Mathematics

Essential Elements: Grade 3

Operations and Algebraic Thinking 3.OA

A Represent and solve problems involving multiplication and division. M.3.OA.A

1 Use repeated addition to find the total number of objects and determine the sum. M.EE.3.OA.1

2 Use repeated addition to find the total number of objects and determine the sum. M.EE.3.OA.2

3 Not applicable. SeeM.EE.3.OA.1and M.EE.5.NBT.5.

B Understand properties of multiplication and the relationship between multiplication and division. M.3.OA.B

4 Not applicable. See M.EE. N.CN.2.

5 Not applicable. See M.EE.5.NBT.6.

C Multiply and divide within 100. M.3.OA.C

6 Solve addition and subtraction problems within 20, when the result is unknown. M.EE.3.OA.6

D Solve problems involving the four operations and identify and explain patterns in arithmetic. M.3.OA.D

7 Solve one-step real-world problems within 20, using addition or subtraction. M.EE.3.OA.7

8 Identify arithmetic patterns. M.EE.3.OA.8

Number and Operations in Base Ten 3.NBT

A Use place value understanding and properties of operations to perform multi-digit arithmetic, using a variety of strategies. M.3.NBT.A

1 Use decade numbers (10, 20, 30) as benchmarks to demonstrate understanding of place value for numbers 0-30. M.EE.3.NBT.1

2 Demonstrate understanding of place value to tens. M.EE.3.NBT.2

3 Count by tens using models (e.g., objects, base ten blocks, money). M.EE.3.NBT.3

Number and Operations – Fractions 3.NF

A Develop understanding of fractions as numbers. M.3.NF.A

1 Differentiate a fractional part from a whole. M.EE.3.NF.1

2 Differentiate a fractional part from a whole. M.EE.3.NF.2

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3 Differentiate a fractional part from a whole. M.EE.3.NF.3

Measurement and Data 3.MD

A Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects. M.3.MD.A

1 Tell time to the hour on a digital clock. M.EE.3.MD.1

2 Identify the appropriate measurement tool to solve one step word problems involving mass and volume. M.EE.3.MD.2

B Represent and interpret data. M.3.MD.B

3 Use picture or bar graphs to answer questions about the data. M.EE.3.MD.3

4 Measure the length of objects using standard tools including rulers, yardsticks, and meter sticks. M.EE.3.MD.4

C Geometric measurement: understand concepts of area and relate area to multiplication and to addition. M.3.MD.C

5 Not applicable. See M.EE.4.MD.3.

6 Not applicable. See M.EE.4.MD.3.

7 Not applicable. See M.EE.4.MD.3.

D Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures. M.3.MD.D

8 Not applicable. See M.EE.3.MD.4.

Geometry 3.G

A Reason with shapes and their attributes. M.3.G.A

1 Describe attributes of two dimensional shapes. M.EE.3.G.1

2 Recognize shapes that have been partitioned into equal areas. M.EE.3.G.2