Wisconsin Mathematics

Essential Elements: Grade 6

Ratios and Proportional Relationships 6.RP

A Understand ratio concepts and use ratio reasoning to solve problems. (M) M.6.RP.A

1 Demonstrate a simple ratio relationship. M.EE.6.RP.1

2 Not applicable. See M.EE.7.RP.1.

3 Not applicable. See M.EE.8.F.1.

The Number System 6.NS

A Apply and extend previous understandings of multiplication and division to divide fractions by fractions. M.6.NS.A

1 Compare the relationships between two-unitfractions. M.EE.6.NS.1

B Flexibly and efficiently compute with multidigit numbers and find common factors and multiples. M.6.NS.B

2 Apply the concept of fair share and equal shares to divide. M.EE.6.NS.2

3 Use the meaning of multiplication and the properties ofoperations (e.g., the distributive property) to develop and understand strategies to find products with multiples of 3, 4, and 9 within 100. M.EE.6.NS.3

4 Not applicable.

C Apply and extend previous understandings of numbers to the system of rational numbers. (M) M.6.NS.C

5 Describe quantities having opposite directions or values as positive and negative numbers (e.g., temperature above/below zero). M.EE.6.NS.5

6 Describe quantities having opposite directions or values as positive and negative numbers (e.g., temperature above/below zero). M.EE.6.NS.6

7 Describe quantities having opposite directions or values as positive and negative numbers (e.g., temperature above/below zero). M.EE.6.NS.7

8 Describe quantities having opposite directions or values as positive and negative numbers (e.g., temperature above/below zero). M.EE.6.NS.8

The Expressions and Equations 6.EE

A Apply and extend previous understandings of arithmetic to algebraic expressions. M.6.EE.A

1 Evaluate if an equation is true. M.EE.6.EE.1

2 Evaluate if an equation is true. M.EE.6.EE.2

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3 Apply the properties of addition to identify equivalent numerical expressions. M.EE.6.EE.3

4 Not applicable.

B Reason about and solve one variable equations and inequalities. M.6.EE.B

5 Match an equation to a real world problem in which variables are used to represent numbers. M.EE.6.EE.5

6 Match an equation to a real world problem in which variables are used to represent numbers. M.EE.6.EE.6

7 Match an equation to a real world problem in which variables are used to represent numbers. M.EE.6.EE.7

8 Not applicable.

C Represent and analyze quantitative relationships between dependent and independent variables. (M) M.6.EE.C

9 Not applicable.

Geometry 6.G

A Solve real-world and mathematical problems involving area, surface area, and volume. (M) M.6.G.A

1 Solve real-world and mathematical problems about area using unit squares. M.EE.6.G.1

2 Solve real-world and mathematical problems about volume using unit cubes. M.EE.6.G.2

3 Not applicable.

4 Not applicable.

Statistics and Probability 6.SP

A Develop understanding of statistical variability. (M) M.6.SP.A

2 Display data on a graph or table that shows variability in the data. M.EE.6.SP.2

1 Display data on a graph or table that shows variability in the data. M.EE.6.SP.1

3 Not applicable.

B Summarize and describe distributions. (M) M.6.SP.B

4 Display data on a graph or table that shows variability in the data. M.EE.6.SP.4

5 Summarize data distributions shown in graphs or tables. M.EE.6.SP.5