

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-unit fractions. 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 of operations (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

- 3 Apply the properties of addition to identify equivalent numerical expressions. [M.EE.6.EE.3](#)
 - 4 Not applicable.
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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.
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C Represent and analyze quantitative relationships between dependent and independent variables. (M) [M.6.EE.C](#)

- 9 Not applicable.
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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.
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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.
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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](#)