

Essential Elements: Grade 5

Operations and Algebraic Thinking 5.OA

A Write and interpret numerical expressions. M.5.OA.A

- 1 Not applicable.
 - 2 Not applicable.
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B Analyze patterns and relationships. M.5.OA.B

- 3 Identify and extend numerical patterns. M.EE.5.OA.3
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Number and Operations in Base Ten 5.NBT

A Understand the place value system. M.5.NBT.A

- 1 Compare numbers up to 99 using place value models. M.EE.5.NBT.1
 - 2 Use the number of zeros in numbers that are powers of 10 to determine which values are equal, greater than, or less than another number. M.EE.5.NBT.2
 - 3 Compare whole numbers up to 100 using symbols ($<$, $>$, $=$). M.EE.5.NBT.3
 - 4 Use place value understanding to generate estimates for real world addition and subtraction problem situations within 100, using strategies such as mental math, benchmark numbers, compatible numbers, and rounding. M.EE.5.NBT.4
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B Perform operations with multidigit whole numbers and with decimals to hundredths. M.5.NBT.B

- 5 Use the meaning of multiplication to develop and understand strategies to find products with multiples of 0, 1, 2, 5, and 10 within 100. M.EE.5.NBT.5
 - 6 Illustrate the concept of division using fair and equal shares. M.EE.5.NBT.6
 - 7 Identify models of tenths ($1/10$, $2/10$, $3/10$, $4/10$, $5/10$, $6/10$, $7/10$, $8/10$, $9/10$, $10/10$). M.EE.5.NBT.7
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Number and Operations – Fractions 5.NF

A Use equivalent fractions as a strategy to add and subtract fractions. M.5.NF.A

- 1 Identify models of halves ($1/2$, $2/2$), thirds ($1/3$, $2/3$, $3/3$), and fourths ($1/4$, $2/4$, $3/4$, $4/4$). M.EE.5.NF.1
- 2 Not applicable.

B Apply and extend previous understandings of multiplication and division to multiply and divide fractions. [M.5.NF.B](#)

- 3 Not applicable. See M.EE.6.RP.1.
 - 4 Not applicable.
 - 5 Not applicable.
 - 6 Not applicable. See M.EE.N.CN.2b.
 - 7 Not applicable. See M.EE.7.NS.2b.
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Measurement and Data [5.MD](#)

A Convert like measurement units within a given measurement system. [M.5.MD.A](#)

- 1 Extend understanding of measurement concepts. [M.EE.5.MD.1](#)
 - a Tell time using an analog or digital clock to the half or quarter hour. [M.EE.5.MD.1.A](#)
 - b Use standard units to measure weight and length of objects. [M.EE.5.MD.1.B](#)
 - c Indicate relative value of collections of coins. [M.EE.5.MD.1.C](#)
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B Represent and interpret data. [M.5.MD.B](#)

- 2 Represent and interpret data on a picture graph, line plot, or bar graph. [M.EE.5.MD.2](#)
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C Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition. [M.5.MD.C](#)

- 3 Identify common three-dimensional shapes. [M.EE.5.MD.3](#)
 - 4 Determine the volume of a rectangular prism by counting units of measure (unit cubes). [M.EE.5.MD.4](#)
 - 5 Determine the volume of a rectangular prism by counting units of measure (unit cubes). [M.EE.5.MD.5](#)
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Geometry [5.G](#)

A Graph points on the coordinate plane to solve real world and mathematical problems. [M.5.G.A](#)

- 1 Sort two-dimensional figures and identify the attributes, including number of angles, sides, or corners that they have in common. [M.EE.5.G.1](#)
 - 2 Sort two-dimensional figures and identify the attributes, including number of angles, sides, or corners that they have in common. [M.EE.5.G.2](#)
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B Classify two dimensional figures into categories based on their properties. [M.5.G.B](#)

- 3 Sort two-dimensional figures and identify the attributes, including number of angles, sides, or corners that they have in common. [M.EE.5.G.3](#)
- 4 Sort two-dimensional figures and identify the attributes, including number of angles, sides, or corners that they have in common. [M.EE.5.G.4](#)