

# Mathematics: Grade 5

## Operations and Algebraic Thinking OA

- 1** Evaluate an expression with one set of parentheses. LC.5.OA.A.1

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- 2** Write a simple numerical expression that indicates calculations with whole numbers. LC.5.OA.A.2

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- 3a** Given 2 patterns involving the same context (e.g., collecting marbles) determine the 1st 5 terms and compare the values. LC.5.OA.B.3b When given a line graph representing two arithmetic patterns, identify the relationship between the two. LC.5.OA.B.3A

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- 3c** Generate or select a comparison between two graphs from a similar situation. LC.5.OA.B.3C

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- 3d** Using provided table with numerical patterns, form ordered pairs. LC.5.OA.B.3D

## Numbers and Operations in Base Ten NBT

- 1** Compare the value of a number when it is represented in different place values of two 3 digit numbers. LC.5.NBT.A.1

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- 2** Find the product of a number and a power of 10. LC.5.NBT.A.2

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- 3a** Read, write, or select a decimal to the hundredths place. LC.5.NBT.A.3b Read, write or select a decimal to the thousandths place. LC.5.NBT.A.3c Compare two decimals to the thousandths place with a value of less than 1. LC.5.NBT.A.3A

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- 4a** Round decimals to the next whole number. LC.5.NBT.A.4A

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- 4b** Round decimals to the tenths place. LC.5.NBT.A.4B

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- 4c** Round decimals to the hundredths place. LC.5.NBT.A.4C

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- 5** Multiply whole numbers with up to 3-digits by numbers with up to 2-digits. LC.5.NBT.B.5

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- 6a** Find whole number quotients up to two dividends and two divisors. LC.5.NBT.B.6A

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- 6b** Find whole number quotients up to four dividends and two divisors. LC.5.NBT.B.6B

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- 7** Solve 1 step problems using decimals. LC.5.NBT.B.7

## Number and Operations —Fractions NF

- 1a** Add and subtract fractions with unlike denominators by replacing fractions with equivalent fractions (identical denominators). **LC.5.NF.A.1b** Add or subtract fractions with unlike denominators. LC.5.NF.A.1A

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- 2** Solve one-step word problems involving addition and subtraction of fractions with unlike denominators. LC.5.NF.A.2

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- 3** Solve a one-step word problem involving division of whole numbers leading to answers in the form of a fraction or mixed number. LC.5.NF.B.3

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- 4** Multiply a fraction by a whole or mixed number. LC.5.NF.B.4

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- 5** Determine whether the product will increase or decrease based on the multiplier. LC.5.NF.B.5

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- 6** Solve word problems involving multiplication of fractions and mixed numbers. LC.5.NF.B.6

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- 7** Divide unit fractions by whole numbers and whole numbers by unit fractions. LC.5.NF.B.7

## Multiplication and Division MD

- 1a** Convert measurements of time. LC.5.MD.A.1A

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- 1b** Convert standard measurements of length. LC.5.MD.A.1B

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- 1c** Convert standard measurements of mass. LC.5.MD.A.1C

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- 1d** Solve problems involving conversions of standard measurement units when finding area, volume, time lapse, or mass. LC.5.MD.A.1D

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- 2** Given a data set of fractions with denominators 2, 4, or 8, create a line plot and use the information on the plot to solve problems. LC.5.MD.B.2

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- 3** Select a cube as the measurement unit for the volume. LC.5.MD.C.3

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- 4** Use cubes (blocks or other manipulatives) to create a solid figure and counts the number of cubes to determine its volume. LC.5.MD.C.4

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- 5a** Use filling and multiplication to determine volume. **LC.5.MD.C.5b** Apply formula to solve one step problems involving volume. LC.5.MD.C.5A

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- 5c** Decompose complex 3-D shapes into simple 3-D shapes to measure volume. LC.5.MD.C.5C

## Geometry G

- 1a** Locate the x and y axis on a graph. LC.5.G.A.1A

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- 1b** Locate points on a graph. LC.5.G.A.1B

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- 1c** Use order pairs to graph given points. LC.5.G.A.1C

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**2 Find coordinate values of points in the context of a situation.** LC.5.G.A.2

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**3 Recognize properties of simple plane figures.** LC.5.G.B.3

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**4 Distinguish quadrilaterals by their properties.** LC.5.G.B.4