

# Grade 8

## Number, Number Sense, Computation, and Estimation

**1 Compare positive and negative integers using a number line.** M-8.1

CC. Integers being compared could include -20 through 20. M-8.1.CC

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**2 Use currency for problems involving \$50.00 or less.** M-8.2

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## Measurement and Geometry

**3 Tell time and measure elapsed time in minutes using analog and digital clocks including with context.** M-8.3

CC. Times could be in one minute increments in a.m. or p.m. and could include up to +/- 24 hours of elapsed time. Contexts will relate the time to an appropriate activity. M-8.3.CC

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**4 Identify the coordinates of a missing point for given geometric figures.** M-8.4

CC. The missing point to be identified could be in a triangle in the first quadrant, a square or rectangle in the first or second quadrant, or a pentagon in any quadrant. M-8.4.CC

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**5 Add the areas of squares and rectangles to determine the total area of a figure in square units.** M-8.5

CC. The figure could consist of squares and rectangles, and the total area could range from 1 through 40 square units. M-8.5.CC

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## Probability, Statistics, Patterns, Functions, and Algebra

**6 Compare the relative probability of two different objects being selected for an event.** M-8.6

CC. The relative probability being compared could involve a group of 10 objects to a group of 40 objects (e.g., Compare the probability of selecting a blue marble to the probability of selecting a white marble from a group of 10 marbles. Which color marble would likely be selected?). M-8.6.CC

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**7 Identify the line of best fit for a scatter plot of two variables with a linear relationship.** M-8.7

CC. The two variables in the scatter plot could have a positive or negative linear relationship. M-8.7.CC

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**8 Evaluate expressions with one variable in real world applications including using money.** M-8.8

CC. Evaluating the expression could include addition, subtraction, multiplication, or division of whole numbers from 0 through 50. M-8.8.CC

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**9 Identify a missing value in input and output tables based on a given function.** M-8.9

8.9

CC. The missing value could range from multiples of 1 through 20. M-8.9.CC

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**10 Identify slope of a line as positive, negative, zero, or undefined when given a description and a graphic.** M-8.10

**11 Interpret linear graphs to determine the slope of a line.** M-8.11

CC. The linear graph could range from representing a positive slope from 1 through 10 or a negative slope from -1 to -5. M-8.11.CC

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**12 Identify the graph that matches an input and output table.** M-8.12

CC. The output table could match a line with a slope from 1 through 10 or -1 to -5. M-8.12.CC

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**13 Solve one- and two-step linear equations with one variable and solutions from 0 through 20.** M-8.13

CC. Equations could range from having one step of addition, subtraction, multiplication, or division to having two steps with two different operations. M-8.13.CC

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**14 Identify a solution that would make an inequality true using symbols  $<$ ,  $>$ ,  $\leq$ , or  $\geq$ .** M-8.14

CC. The inequality could have a solution ranging from 1 through 20. M-8.14.CC