

# Grade 10

Students demonstrate increasingly complex understanding of number sense.

## Number and Quantity

1-3 Express quantities to the appropriate precision of measurement. [EE.N-Q.1-3](#)

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Students demonstrate increasingly complex spatial reasoning and understanding of geometric principles.

## Geometry

4-5 Given a geometric figure and a rotation, reflection, or translation of that figure, identify the components of the two figures that are congruent. [EE.G-CO.4-5](#)

1-3 Make a prediction about the volume of a container, the area of a figure, and the perimeter of a figure, and then test the prediction using formulas or models. [EE.G-GMD.1-3](#)

4 : Identify the shapes of two-dimensional cross-sections of three-dimensional objects. [EE.G-GMD.4](#)

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Students demonstrate increasingly complex understanding of measurement, data and analytic procedures.

## Statistics and Probability

4 Calculate the mean of a given data set (limit the number of data points to fewer than five). [EE.S-ID.4](#)

5 Identify when events are independent or dependent. [EE.S-CP.1-5](#)

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Students solve increasingly complex mathematical problems, making productive use of algebra and functions.

## Algebra

1 Create an equation involving one operation with one variable, and use it to solve a real-world problem. [EE.A-CED.1](#)

2-4 Solve one-step inequalities. [EE.A-CED.2-4](#)

10-12 Interpret the meaning of a point on the graph of a line. For example, on a graph of pizza purchases, trace the graph to a point and tell the number of pizzas purchased and the total cost of the pizzas. [EE.A-REI.10-12](#)

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## Functions

1 Select the appropriate graphical representation (first quadrant) given a situation involving constant rate of change. [EE.F-BF.1](#)