

Grade 9

Students demonstrate increasingly complex understanding of number sense.

Number and Quantity

- 2.a** Use the commutative, associative, and distributive properties to add, subtract, and multiply whole numbers. [EE.N-CN.2.A](#)
 - 2.b** Solve real-world problems involving addition and subtraction of decimals, using models when needed. [EE.N-CN.2.B](#)
 - 2.c** Solve real-world problems involving multiplication of decimals and whole numbers, using models when needed. [EE.N-CN.2.C](#)
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Students demonstrate increasingly complex spatial reasoning and understanding of geometric principles.

Geometry

- 1** Know the attributes of perpendicular lines, parallel lines, and line segments; angles; and circles. [EE.G-CO.1](#)
 - 7** Find perimeters and areas of squares and rectangles to solve real-world problems. [EE.G-GPE.7](#)
 - 1-3** Use properties of geometric shapes to describe real-life objects. [EE.G-MG.1-3](#)
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Students demonstrate increasingly complex understanding of measurement, data and analytic procedures.

Statistics and Probability

- 1-2** Given data, construct a simple graph (line, pie, bar, or picture) or table, and interpret the data. [EE.S-ID.1-2](#)
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Students solve increasingly complex mathematical problems, making productive use of algebra and functions.

Algebra

- 1** Identify an algebraic expression involving one arithmetic operation to represent a real-world problem. [EE.A-SSE.1](#)
- 3** Solve simple algebraic equations with one variable using multiplication and division. [EE.A-SSE.3](#)