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In this chapter, you will fluently add, subtract, multiply, and divide decimals using standard algorithms. You will also identify the parts of an expression using mathematical terms and evaluate numerical expressions using the order of operations.

Expressions & Equations
  6.EE.2.b
  6.EE.2.c
  6.EE.3

The Number System
  6.NS.2
  6.NS.3
Expressions and Equations

In this chapter, you will extend your understanding of arithmetic to algebraic expressions and equations. You will use letters as variables to represent unknown numerical values and write expressions and solve equations of the form \( x + p = q \) and \( px = q \).

Expressions & Equations
- 6.EE.2
- 6.EE.2.a
- 6.EE.2.b
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Number Theory

In this chapter, you will apply your understanding of place value, operations, and inverse properties of operations to explore algebraic number theory. You will find the greatest common factor and least common multiple of two whole numbers. You will also use the distributive property and identify when two expressions are equivalent.

The Number System
6.NS.4

Expressions & Equations
6.EE.1
6.EE.2
6.EE.2.b
6.EE.2.c
6.EE.3
6.EE.4

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Fraction Operations

In this chapter, you will apply and extend previous understandings of multiplication and division of fractions. You will draw on your knowledge of operations, fractions, multiples, and factors to multiply and divide fractions and mixed numbers. You will apply these skills as you write and solve equations involving multiplication and division of fractions.

The Number System
6.NS.1

Expressions & Equations
6.EE.6
6.EE.7

Check Your Readiness
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In this chapter, you will extend your knowledge of simplifying and computing with fractions as you explore the concept of ratios and unit rates. You will use ratios and rates to solve real-world and mathematical problems.

### Ratios & Proportional Relationships

- **6.RP.1**
- **6.RP.2**
- **6.RP.3**
- **6.RP.3.a**
- **6.RP.3.b**
- **6.RP.3.c**
- **6.RP.3.d**

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## CHAPTER 5

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**The Number System**
- 6.NS.5
- 6.NS.6
- 6.NS.6.a
- 6.NS.6.c
- 6.NS.7.a
- 6.NS.7.b
- 6.NS.7.c
- 6.NS.7.d

**Expressions & Equations**
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- 6.EE.6
- 6.EE.8

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The Number System
6.NS.6
6.NS.6.b
6.NS.6.c
6.NS.8

Expressions & Equations
6.EE.9

Geometry
6.G.3

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In this chapter, you will reason about the relationships among shapes as you use formulas to determine area, surface area, and volume of two- and three-dimensional shapes. You will find the area of triangles, special quadrilaterals, and polygons, and the volume of right rectangular prisms. You will also represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these figures.

**Geometry**

- 6.G.1
- 6.G.2
- 6.G.4
In this chapter, you will develop an understanding of statistical variability and distributions. You will also display numerical data in plots and graphs, look for and use patterns in the data, and summarize numerical data sets based on their contexts.

**Statistics & Probability**

- 6.SP.1
- 6.SP.2
- 6.SP.3
- 6.SP.4
- 6.SP.5
- 6.SP.5.a
- 6.SP.5.b
- 6.SP.5.c
- 6.SP.5.d