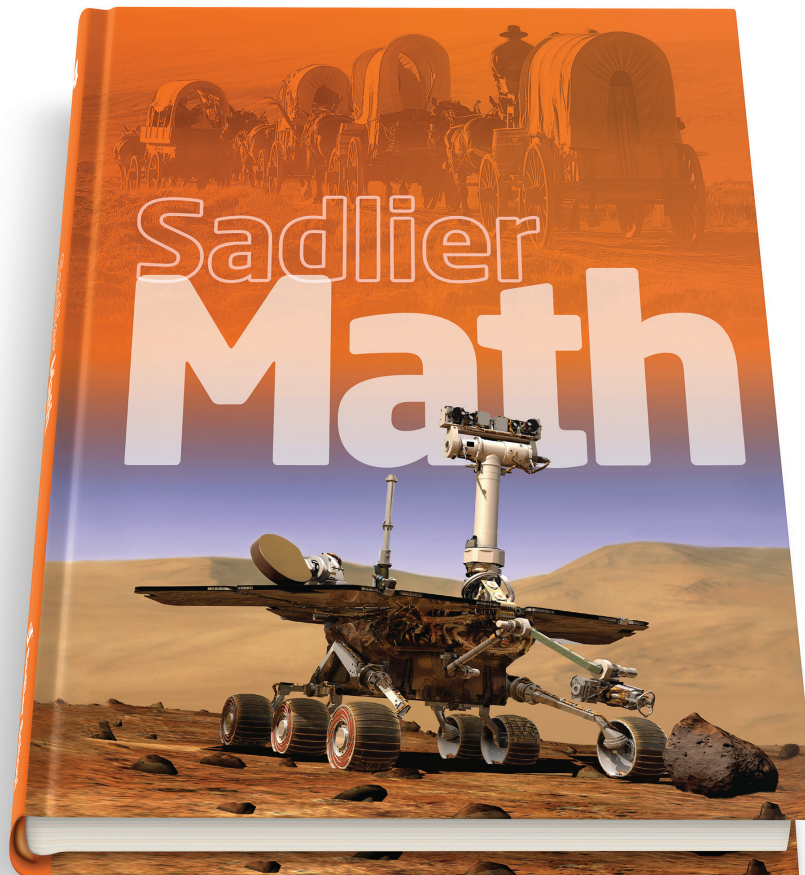


# **Sadlier Math™**

Correlation to the Pennsylvania Core Standards for Mathematics

**Grade 4**



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## 2.1 NUMBERS AND OPERATIONS

Grade 4 Content Standards	Sadlier Math, Grade 4
<b>(B) Numbers and Operations in Base Ten</b>	
<b>CC.2.1.4.B.1</b> Apply place value concepts to show an understanding of multi-digit whole numbers.	<b>Chapter 1: 1-1 through 1-6</b>
<b>CC.2.1.4.B.2</b> Use place-value understanding and properties of operations to perform multi-digit arithmetic.	<b>Chapter 2: 2-2, 2-4 through 2-6</b> <b>Chapter 3: 3-2 through 3-5</b> <b>Chapter 4: 4-1 through 4-3</b> <b>Chapter 5: 5-1 through 5-5</b> <b>Chapter 6: 6-1 through 6-5</b> <b>Chapter 7: 7-1, 7-2 &amp; 7-4</b> <b>Chapter 8: 8-1 through 8-7</b>
<b>(C) Numbers and Operations—Fractions</b>	
<b>CC.2.1.4.C.1</b> Extend the understanding of fractions to show equivalence and ordering.	<b>Chapter 10: 10-1 through 10-11</b>
<b>CC.2.1.4.C.2</b> Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.	<b>Chapter 10: 10-9</b> <b>Chapter 11: 11-1 through 11-8</b> <b>Chapter 12: 12-1 through 12-7</b>
<b>CC.2.1.4.C.3</b> Connect decimal notation to fractions, and compare decimal fractions (base 10 denominator, e.g., 19/100).	<b>Chapter 13: 13-1 through 13-7</b>

## 2.2 ALGEBRAIC CONCEPTS

Grade 4 Content Standards	Sadlier Math, Grade 4
<b>(A) Operations and Algebraic Thinking</b>	
<b>CC.2.2.4.A.1</b> Represent and solve problems involving the four operations.	<b>Chapter 2: 2-1 through 2-3</b> <b>Chapter 3: 3-1 &amp; 3-6</b> <b>Chapter 4: 4-4 &amp; 4-5</b> <b>Chapter 5: 5-5</b> <b>Chapter 7: 7-3 &amp; 7-6</b> <b>Chapter 8: 8-1, 8-3 &amp; 8-8</b>

## 2.2 ALGEBRAIC CONCEPTS

Grade 4 Content Standards	Sadlier Math, Grade 4
<b>CC.2.2.4.A.2</b> Develop and/or apply number theory concepts to find factors and multiples.	<b>Chapter 9: 9-1 through 9-5</b>
<b>CC.2.2.4.A.4</b> Generate and analyze patterns using one rule.	<b>Chapter 7: 7-5</b> <b>Chapter 17: 17-5</b>

## 2.3 GEOMETRY

Grade 4 Content Standards	Sadlier Math, Grade 4
<b>(A) Geometry</b>	
<b>CC.2.3.4.A.1</b> Draw lines and angles and identify these in two-dimensional figures.	<b>Chapter 16: 16-1 through 16-6</b>
<b>CC.2.3.4.A.2</b> Classify two-dimensional figures by properties of their lines and angles.	<b>Chapter 17: 17-1 through 17-3</b>
<b>CC.2.3.4.A.3</b> Recognize symmetric shapes and draw lines of symmetry.	<b>Chapter 17: 17-4</b>

## 2.4 MEASUREMENT, DATA, AND PROBABILITY

Grade 4 Content Standards	Sadlier Math, Grade 4
<b>(A) Measurement and Data</b>	
<b>CC.2.4.4.A.1</b> Solve problems involving measurement and conversions from a larger unit to a smaller unit.	<b>Chapter 14: 14-1 through 14-10</b> <b>Chapter 15: 15-1 through 15-3</b> <b>Chapter 17: 17-6 &amp; 17-7</b>
<b>CC.2.4.4.A.2</b> Translate information from one type of data display to another.	<b>Chapter 12: 12-1 through 12-8</b>
<b>CC.2.4.4.A.4</b> Represent and interpret data involving fractions using information provided in a line plot.	<b>Chapter 15: 15-6 &amp; 15-7</b>
<b>CC.2.4.4.A.6</b> Measure angles and use properties of adjacent angles to solve problems.	<b>Chapter 16: 16-1 through 16-4</b>