



All Dimensions Math 6 lessons are considered essential and are important to teach at this grade level based on the Dimensions Math sequence, Common Core State Standards, mastery of prerequisite skills, and readiness for Dimensions Math 7. For students who have successfully completed Dimensions Math 5, the Notes section identifies specific Dimensions Math 6 lessons that may be used as review.

This Pacing Guide focuses on content from the Textbook. The Workbook exercises are for additional practice. The Basic Practice and Further Practice sections in the Workbook may also serve as a source of assessment problems.

Bar modeling, a tool for visualizing the algebraic method for problem solving, is practiced in the Problem Solving Corner and Practice Problems sections. These sections are considered essential; however, the total number of problems completed may be adjusted based on your pacing needs.

Dimensions Math 6 also provides opportunities for students to apply their learning through higher-level thinking and enrichment problems. These include the BrainWorks and Extend Your Learning Curve problems in the Textbook, as well as the Challenging Practice and Enrichment problems in the Workbook. While these problems are not considered essential and are not included in this Pacing Guide, they are highly recommended for deepening problem-solving skills and providing enrichment.

This guide also highlights Pre-algebra content in Dimensions Math 6. Students who complete Dimensions Math 6, 7, and 8 will be prepared to enter a Geometry or Algebra 2 course. Pre-algebra, Algebra, and Geometry readiness skills are integrated throughout the Dimensions Math 6 to 8 sequence.

For more detailed information on state standards alignment, refer to the [Dimensions Math 6-8 Common Core Alignments](#).

For a more in-depth look at what is covered in each chapter, refer to the [Dimensions Math 6-8 Scopes and Sequences](#).



Chapter 1: Whole Numbers	Pacing	Class Periods	Pre-algebra Content	Notes
1.1 Order of Operations 1.2 Factors and Multiples 1.3 Multiplication 1.4 Division Problem Solving Corner Practice Problems	Month 1	15 - 17	None	<p>If students have mastered the content in DM 5A and demonstrate fluency with whole-number calculations, Lessons 1.1c, 1.1d, 1.3, and 1.4 may be used as review.</p> <p>All topics except exponents were introduced in DM 5. The properties of multiplication and division were taught informally in earlier grades but are explicitly named and formalized in DM 6.</p> <p>Content aligns with Common Core State Standards for Math for Grade 6.</p>



Chapter 2: Fractions	Pacing	Class Periods	Pre-algebra Content	Notes
2.1 Multiplication of Fractions 2.2 Division of Fractions Problem Solving Corner Practice Problems	Month 2	11	None	<p>If students mastered content from DM 5A and have demonstrated fluency calculating with fractions, 2.1 and 2.2b could be used as review.</p> <p>All content except division of a fraction by a fraction was taught in DM 5.</p> <p>Content aligns with Common Core State Standards for Math for Grade 6.</p>

Chapter 3: Decimals	Pacing	Class Periods	Pre-algebra Content	Notes
3.1 Addition and Subtraction of Decimals 3.2 Multiplication of Decimals 3.3 Division of Decimals 3.4 Metric Measurements and Decimals Problem Solving Corner Practice Problems	Month 3	13 - 15	None	<p>If students have mastered the content in DM 5A and demonstrate fluency with decimal calculations, Lessons 3.1 and 3.2 may be used as review.</p> <p>All topics except division of a decimal by a decimal were introduced in DM 5.</p> <p>Content aligns with Common Core State Standards for Math for Grade 6.</p>



Chapter 4: Negative Numbers	Pacing	Class Periods	Pre-algebra Content	Notes
4.1 Positive and Negative Numbers	Month 4	6 - 7	4.1 4.2	Content meets or exceeds Common Core State Standards for Math for Grade 6.
4.2 Comparing Positive and Negative Numbers				

Chapter 5: Ratios	Pacing	Class Periods	Pre-algebra Content	Notes
5.1 Ratios and Equivalent Ratios	Month 4	8 - 9	5.1 5.2	Content meets or exceeds Common Core State Standards for Math for Grade 6.
5.2 Ratios and Fractions				
Problem Solving Corner				
Practice Problems				

Chapter 6: Rate	Pacing	Class Periods	Pre-algebra Content	Notes
6.1 Average and Rate	Month 5	9 - 11	6.1 6.2 6.3	Content meets or exceeds Common Core State Standards for Math for Grade 6.
6.2 Unit Rate				
6.3 Speed				
Problem Solving Corner				
Practice Problems				



Chapter 7: Percent	Pacing	Class Periods	Pre-algebra Content	Notes
7.1 Meaning of Percent 7.2 Percentage of a Quantity Problem Solving Corner Practice Problems	Months 5 to 6	8 – 10	7.1 7.2	Content meets or exceeds Common Core State Standards for Math for Grade 6.

Chapter 8: Algebraic Expressions	Pacing	Class Periods	Pre-algebra Content	Notes
8.1 Writing and Evaluating Algebraic Expressions 8.2 Simplifying Algebraic Expressions	Month 6	7 – 8	8.1 8.2	Content meets or exceeds Common Core State Standards for Math for Grade 6.

Chapter 9: Equations and Inequalities	Pacing	Class Periods	Pre-algebra Content	Notes
9.1 Equations 9.2 Inequalities Problem Solving Corner Practice Problems	Months 6 to 7	9 – 11	9.1 9.2	Content meets or exceeds Common Core State Standards for Math for Grade 6.



Chapter 10: Coordinate and Graphs	Pacing	Class Periods	Pre-algebra Content	Notes
10.1 The Coordinate Plane 10.2 Distance between Coordinate Pairs 10.3 Changes in Quantities	Month 7	11 - 12	10.1 10.2 10.3	Content meets or exceeds Common Core State Standards for Math for Grade 6.

Chapter 11: Area of Plane Figures	Pacing	Class Periods	Pre-algebra Content	Notes
11.1 Area of Rectangles and Parallelograms 11.2 Area of Triangles 11.3 Area of Trapezoids	Month 8	9 - 10	11.1 11.2 11.3	Content meets or exceeds Common Core State Standards for Math for Grade 6.

Chapter 12: Volume and Surface Area of Solids	Pacing	Class Periods	Pre-algebra Content	Notes
12.1 Volume of Rectangular Prisms 12.2 Surface Area of Prisms Practice Problems	Month 8	9 - 10	12.1 12.2	Content meets or exceeds Common Core State Standards for Math for Grade 6.



Chapter 13: Displaying and Comparing Data	Pacing	Class Periods	Pre-algebra Content	Notes
13.1 Statistical Variability 13.2 Displaying Numerical Data 13.3 Measures of Variability and Box Plots	Month 9	13 - 14	13.1 13.2 13.3	Content meets or exceeds Common Core State Standards for Math for Grade 6.