

Everyday Mathematics 4
Grade 6 Instructional Pacing Recommendations

This suggested pacing for *Everyday Mathematics*, Grade 6 supports 3–4 lessons each week and one unit every 3–5 weeks. This allows time for additional practice, differentiation, and instruction opportunities such as extra games practice, Differentiation Options, English Learners and Differentiation Support, projects, and reinforcement. Use this pacing to help ensure in-depth coverage of all Grade 6 Common Core State Standards for Mathematics in a total of 170 instructional days.

This pacing is designed for flexibility and depth. You will have flexibility so you can extend a lesson if discussion has been rich or if students’ understandings are incomplete. You can add a day for “journal fix-up” or for differentiation—to provide an Enrichment activity to every student, for example—or for additional games. There will also be time to accommodate outside mandates, district initiatives, and special projects.

This pacing gives you time to go deep, to create a classroom culture that values and supports productive struggle. You can expect your students to discuss and compare their thinking with classmates, to solve problems they have not been shown how to solve, to make connections between concepts and procedures, and to reflect on what they are learning. Creating such a classroom culture takes time, but it’s what the Common Core asks you to do in its Standards for Mathematical Practice—and the pacing of *Everyday Mathematics 4* is designed to give you the time you’ll need.

Beginning-of-Year Assessment		1 Day
Unit 1	Data and Number Systems	23 Days
1-1	Exploring Statistical Questions	1
1-2	Creating Dot Plots	1
1-3	Introducing the Mean	1
1-4	Introducing Mean as a Balancing Point	1
1-5	Comparing Mean, Median, and Mode	1
1-6	Analyzing Persuasive Graphs	1
1-7	Introducing Histograms	1
1-8	Examining Shapes of Graphs	1
1-9	Analyzing Data— <i>Open Response</i>	2
1-10	Introducing Integers	1
1-11	Building a Number Line Using Fraction Strips	1
1-12	Finding Fractions between Fractions	1
1-13	Locating Negative Rational Numbers on the Number Line	1
1-14	Plotting Ordered Pairs of Rational Numbers in 4 Quadrants	1
1-15	Unit 1 Progress Check & Open Response Assessment	2
	Additional practice, differentiation, and instruction opportunities	6

Grade 6

Unit 2	Fraction Operations and Ratios	22	Days
2-1	The Greatest Common Factors	1	
2-2	The Least Common Multiples	1	
2-3	Fraction Multiplication on a Number Line	1	
2-4	Fraction Multiplication with Models and Diagrams	1	
2-5	Comparing Strategies for Multiplying Fractions	1	
2-6	Dividing Fractions with Common Denominators	1	
2-7	Exploring Relationships in Fraction Division	1	
2-8	Using Reciprocals to Divide Fractions	1	
2-9	Introducing Ratios	1	
2-10	Ratio Models: Tape Diagrams	1	
2-11	Equivalent Ratios	1	
2-12	Blueberry Blast— <i>Open Response</i>	2	
2-13	Using Ratio/Rate Tables	1	
2-14	Graphing Ratios	1	
2-15	Unit 2 Progress Check & Cumulative Review	2	
	Additional practice, differentiation, and instruction opportunities	5	

Unit 3	Decimal Operations and Percent	23	Days
3-1	Place Value and Expanded Form with Decimals	1	
3-2	The Density of Rational Numbers	1	
3-3	Reviewing Decimal Addition and Subtraction	1	
3-4	Reviewing Decimal Multiplication	1	
3-5	U.S. Traditional Long Division with Whole Numbers	1	
3-6	Exploring Long Division with Decimals	1	
3-7	Exploring Peruvian Flutes— <i>Open Response</i>	2	
3-8	Introducing <i>Percent</i>	1	
3-9	Finding Percents	1	
3-10	Percents as Ratios	1	
3-11	Exploring Percent Problem-Solving Strategies	1	
3-12	Introducing Box Plots	1	
3-13	Making Box Plots and Finding Interquartile Range	1	
3-14	Comparing Data Representations	1	
3-15	Unit 3 Progress Check & Open Response Assessment	2	
	Additional practice, differentiation, and instruction opportunities	6	

Unit 4	Algebraic Expressions and Equations	22	Days
4-1	Parentheses, Exponents, and Calculators	1	
4-2	Solving Problems with Order of Operations	1	
4-3	Expressions and Patterns	1	
4-4	Representing Unknown Quantities with Algebraic Expressions	1	
4-5	Exploring Equations	1	
4-6	Distributive Property and Equivalent Expressions	1	
4-7	Applying Properties of Arithmetic	1	
4-8	The Banquet Table— <i>Open Response</i>	2	
4-9	Introduction to Inequalities	1	
4-10	Finding and Graphing Solution Sets of Inequalities	1	
4-11	Inequalities to Represent Real-World Situations	1	
4-12	Absolute Value as Distance	1	
4-13	Absolute Value	1	
4-14	Mean Absolute Deviation	1	
4-15	Unit 4 Progress Check & Cumulative Review	2	
	Additional practice, differentiation, and instruction opportunities	5	

Middle-of-Year Assessment		1	Day
----------------------------------	--	----------	------------

Unit 5	Area and Volume Explorations	21	Days
5-1	Polygons on a Coordinate Grid	1	
5-2	Area of Parallelograms	1	
5-3	Area of Triangles	1	
5-4	Composing and Decomposing Polygons to Find Area	1	
5-5	3-D Shapes with Nets	1	
5-6	Using Nets to Find Surface Area	1	
5-7	Solving Surface Area Problems	1	
5-8	Comparing Areas— <i>Open Response</i>	2	
5-9	Strategies for Finding Volume	1	
5-10	Volume with Fractions	1	
5-11	Calculating the Volume of a Person	1	
5-12	Area versus Volume	1	
5-13	Unit 5 Progress Check & Open Response Assessment	2	
	Additional practice, differentiation, and instruction opportunities	6	

Unit 6	Equivalent Expressions and Solving Equations	19	Days
6-1	Finding Solutions with Trial and Error	1	
6-2	Solution Sets	1	
6-3	Using Bar Models to Solve Equations	1	
6-4	Solving Simple Equations with a Pan Balance-Part 1	1	
6-5	Solving Simple Equations with a Pan Balance-Part 2	1	
6-6	Combining Like Terms	1	
6-7	Generating Equivalent Expressions and Equations	1	
6-8	T-Shirt Cost Estimates— <i>Open Response</i>	2	
6-9	Reversing Operations	1	
6-10	Building and Solving Equations with the Pan-Balance Model	1	
6-11	Comparing Multiple Strategies for Solving Equations	1	
6-12	Unit 6 Progress Check & Cumulative Review	2	
	Additional practice, differentiation, and instruction opportunities	5	
Unit 7	Variables and Algebraic Relationships	19	Days
7-1	Inequalities and Mystery Numbers	1	
7-2	Making Healthy Choices	1	
7-3	Computer Spreadsheets	1	
7-4	Using Spreadsheets to Solve Problems	1	
7-5	Unit Rate Comparisons	1	
7-6	Marathons and Measures	1	
7-7	Water-Saving Plan— <i>Open Response</i>	2	
7-8	Connecting Equations, Tables, and Graphs	1	
7-9	Independent and Dependent Variables	1	
7-10	Investigating Change	1	
7-11	Mystery Graphs	1	
7-12	Unit 7 Progress Check & Open Response Assessment	2	
	Additional practice, differentiation, and instruction opportunities	5	

Unit 8	Applications: Rates, Expressions, and Equations	17	Days
8-1	Increasing Garden Production	1	
8-2	Planning an Art Gallery Wall	1	
8-3	Enlarging Artwork	1	
8-4	Modeling the Planets in the Solar System	1	
8-5	Population Density	1	
8-6	Mobiles and Mathematics	1	
8-7	Naming Patterns with Algebraic Expressions— <i>Open Response</i>	2	
8-8	Anthropometry	1	
8-9	Planning a Trip	1	
8-10	Unit 8 Progress Check & Cumulative Review	2	
	Additional practice, differentiation, and instruction opportunities	5	
End-of-Year Assessment		2	Day
Total days for instructional lessons		107	Days
Total days for additional practice and instruction		43	Days
Total days for assessment		20	Days
TOTAL INSTRUCTIONAL DAYS		170	Days