

Everyday Mathematics 4
Grade 5 Instructional Pacing Recommendations

This suggested pacing for *Everyday Mathematics*, Grade 5 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 5 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	Area and Volume	19 Days
1-1	Introduction to the <i>Student Reference Book</i>	1
1-2	Area of a Rectangle, Part 1	1
1-3	Quilt Area	2
1-4	Area of a Rectangle, Part 2	1
1-5	Introduction to Volume	1
1-6	Exploring Nonstandard Volume Units	1
1-7	Measuring Volume by Counting Cubes	1
1-8	Measuring Volume by Iterating Layers	1
1-9	Two Formulas for Volume	1
1-10	Visualizing Volume Units	1
1-11	Volume Explorations	1
1-12	Playing <i>Prism Pile-Up</i>	1
1-13	Unit 1 Progress Check	2
	Additional practice, differentiation, and instruction opportunities	4

Unit 2	Whole Number Place Value and Operations	20	Days
2-1	Understanding Place Value	1	
2-2	Exponents and Powers of 10	1	
2-3	Applying Powers of 10	1	
2-4	U.S. Traditional Multiplication, Part 1	1	
2-5	U.S. Traditional Multiplication, Part 2	1	
2-6	Application: Unit Conversions	1	
2-7	U.S. Traditional Multiplication, Part 3	1	
2-8	U.S. Traditional Multiplication, Part 4	1	
2-9	One Million Taps	2	
2-10	A Mental Division Strategy	1	
2-11	Reviewing Partial-Quotients Division	1	
2-12	Strategies for Choosing Partial Quotients	1	
2-13	Interpreting the Remainder	1	
2-14	Unit 2 Progress Check	2	
	Additional practice, differentiation, and instruction opportunities	4	
Unit 3	Fraction Concepts, Addition and Subtraction	22	Days
3-1	Connecting Fractions and Division, Part 1	1	
3-2	Connecting Fractions and Division, Part 2	1	
3-3	Application: Interpreting Remainders	1	
3-4	Fractions on a Number Line	1	
3-5	Game Strategies	2	
3-6	Fraction Estimation with Number Sense	1	
3-7	Fraction Estimation with Benchmarks	1	
3-8	Renaming Fractions and Mixed Numbers	1	
3-9	Introduction to Adding and Subtracting Fractions and Mixed Numbers	1	
3-10	Exploring Addition of Fractions with Unlike Denominators	1	
3-11	Playing <i>Fraction Capture</i>	1	
3-12	Solving Fraction Number Stories	1	
3-13	Fraction-Of Problems, Part 1	1	
3-14	Fraction-Of Problems, Part 2	1	
3-15	Unit 3 Progress Check	2	
	Additional practice, differentiation, and instruction opportunities	5	

Unit 4	Decimal Concepts; Coordinate Grids	22	Days
4-1	Decimal Place Value	1	
4-2	Representing Decimals through Thousandths	1	
4-3	Representing Decimals in Expanded Form	1	
4-4	Comparing and Ordering Decimals	1	
4-5	Rounding Decimals	1	
4-6	Introduction to the Coordinate System	1	
4-7	Playing <i>Hidden Treasure</i>	1	
4-8	Solving Problems on a Coordinate Grid, Part 1	1	
4-9	Solving Problems on a Coordinate Grid, Part 2	1	
4-10	Folder Art	2	
4-11	Addition and Subtraction of Decimals with Hundredths Grids	1	
4-12	Decimal Addition Algorithms	1	
4-13	Decimal Subtraction Algorithms	1	
4-14	Addition and Subtraction of Money	1	
4-15	Unit 4 Progress Check	2	
	Additional practice, differentiation, and instruction opportunities	5	
Middle-of-Year Assessment		1	Day

Unit 5	Operations with Fractions	22	Days
5-1	Using Equivalent Fractions to Find Common Denominators	1	
5-2	More Strategies for Finding Common Denominators	1	
5-3	Addition of Fractions and Mixed Numbers	1	
5-4	Subtraction of Fractions and Mixed Numbers	1	
5-5	Connecting Fraction-Of Problems to Multiplication	1	
5-6	Multiplication of Fractions and Whole Numbers	1	
5-7	Fractions of Fractions	1	
5-8	Area Models for Fraction Multiplication	1	
5-9	Understanding an Algorithm for Fraction Multiplication	1	
5-10	Sharing Breakfast	2	
5-11	Explaining the Equivalent Fractions Rule	1	
5-12	Fraction Multiplication Number Stories	1	
5-13	Fraction Division, Part 1	1	
5-14	Fraction Division, Part 2	1	
5-15	Unit 5 Progress Check	2	
	Additional practice, differentiation, and instruction opportunities	5	

Unit 6	Investigations in Measurement; Decimal Multiplication and Division	20	Days
6-1	Multiplying and Dividing Decimals by Powers of 10	1	
6-2	Playing <i>Exponent Ball</i>	1	
6-3	Application: Converting Measurements in the Metric System	1	
6-4	Line Plots	1	
6-5	Working with Data in Line Plots	1	
6-6	Applying Volume Concepts	1	
6-7	Measuring Volume by Displacement	1	
6-8	Estimating Decimal Products and Quotients	1	
6-9	Multiplication of Decimals	1	
6-10	Fundraising	2	
6-11	Division of Decimals by Whole Numbers	1	
6-12	Division of Decimals by Decimals	1	
6-13	Application: Estimating Your Reaction Time	1	
6-14	Unit 6 Progress Check	2	
	Additional practice, differentiation, and instruction opportunities	4	
Unit 7	Multiplication of Mixed Numbers; Geometry; Graphs	21	Days
7-1	Multiplication of Mixed Numbers, Part 1	1	
7-2	Multiplication of Mixed Numbers, Part 2	1	
7-3	Rectangles with Fractional Side Lengths	1	
7-4	Using Common Denominators for Fraction Division	1	
7-5	A Hierarchy of Triangles	1	
7-6	A Hierarchy of Quadrilaterals	1	
7-7	Playing <i>Property Pandemonium</i>	1	
7-8	A Hierarchy of Polygons	2	
7-9	Collecting and Using Fractional Data	1	
7-10	Identifying and Visualizing Patterns	1	
7-11	Rules, Tables, and Graphs, Part 1	1	
7-12	Rules, Tables, and Graphs, Part 2	1	
7-13	Old Faithful's Next Eruption	1	
7-14	Unit 7 Progress Check	2	
	Additional practice, differentiation, and instruction opportunities	5	

Unit 8	Applications of Measurement, Computation, and Graphing	20	Days
8-1	Planning an Athletic Center	1	
8-2	Applying the Rectangle Method for Area	1	
8-3	Planning an Aquarium	1	
8-4	A Treasure Hunt	2	
8-5	Spending \$1,000,000	1	
8-6	Earning \$1,000,000	1	
8-7	Paying Off the National Debt	1	
8-8	A Footstep Problem	1	
8-9	Finding Your Heart Rate	1	
8-10	Finding Your Cardiac Output	1	
8-11	Pendulums, Part 1	1	
8-12	Pendulums, Part 2	1	
8-13	Unit 8 Progress Check	2	
	Additional practice, differentiation, and instruction opportunities	5	
End-of-Year Assessment		2	Days
Total days for instructional lessons		113	Days
Total days for additional practice and instruction		37	Days
Total days for assessment		20	Days
TOTAL INSTRUCTIONAL DAYS		170	Days