# Common Core Standards Alignment Chart • Grade 5

	5.0A.1	5.0A.2	5.0A.3	5.NBT.1	5.NBT.2	5.NBT.3	5.NBT.4	5.NBT.5	NBT.6	NBT.7	NF.1	NF.2	5.NF.3	5.NF.4	5.NF.5	5.NF.6	5.NF.7	5.MD.1	5.MD.2	5.MD.3	5.MD.4	5.MD.5	5.G.1	5.G.2	5.6.3	5.G.4
Units	5.	5.	δ.	ν.	ν.	υ.	ν.	5.	5.	5.	5.	5.	δ.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Operations & Algebraic Thinking							1		1																	
Unit 1: Order of Operations	~																									
Unit 2: Write and Interpret Expressions		~																								
Unit 3: Patterns and Ordered Pairs			~																							
Number & Operations in Base Ten							1																			
Unit 4: Decimal Place Value				~		~																				
Unit 5: Powers of 10					~																					
Unit 6: Compare Decimals						/																				
Unit 7: Round Decimals							~	_																		
Unit 8: Multiply Whole Numbers								~																		
Unit 9: Divide by a One-Digit Divisor									~																	
Unit 10: Divide by a Two-Digit Divisor									~																	
Unit 11: Add and Subtract Decimals										~																
Unit 12: Multiply Decimals										/																
Unit 13: Divide Decimals										~																
Number & Operations—Fractions																										
Unit 14: Add Fractions											~	~														
Unit 15: Subtract Fractions											~	~														
Unit 16: Multiply Whole Numbers/Fractions													~	/	~											
Unit 17: Multiply Fractions													~	~	~											
Unit 18: Multiply Mixed Numbers													~	~	~	/	~									
Unit 19: Divide Whole Numbers/Fractions																	~									
Measurement & Data																										
Unit 20: Convert Among Metric Units																		/								
Unit 21: Convert Among Customary Units																		/								
Unit 22: Use Measurement Data																			1							
Unit 23: Understand Volume																				~	~					
Unit 24: Find Volume																					~	~				
Geometry																										
Unit 25: Locate Points on Coordinate Plane																							~	~		
Unit 26: Graph Points on the Coordinate Plane																							~	~		
Unit 27: Classify Polygons																									/	<b>/</b>

# ommon athematics

# Practice at 3 Levels •••



# **Table of Contents**

Using This Book 2
Operations & Algebraic Thinking
Unit 1: Order of Operations
Unit 2: Write and Interpret Expressions
Unit 3: Patterns and Ordered Pairs
Number & Operations in Base Ten
Unit 4: Decimal Place Value
<b>Unit 5:</b> Powers of 10
Unit 6: Compare Decimals
Unit 7: Round Decimals
Unit 8: Multiply Whole Numbers41
Unit 9: Divide by a One-Digit Divisor
Unit 10: Divide by a Two-Digit Divisor
Unit 11: Add and Subtract Decimals
Unit 12: Multiply Decimals
Unit 13: Divide Decimals
Number & Operations—Fractions
Unit 14: Add Fractions
Unit 15: Subtract Fractions
Unit 16: Multiply Whole Numbers and Fractions
Unit 17: Multiply Fractions
Unit 18: Multiply Mixed Numbers
Unit 19: Divide Whole Numbers and Fractions
Measurement & Data
Unit 20: Convert Among Metric Units
Unit 21: Convert Among Customary Units
Unit 22: Use Measurement Data
Unit 23: Understand Volume
<b>Unit 24:</b> Find Volume
Geometry
Unit 25: Locate Points on the Coordinate Plane
Unit 26: Graph Points on the Coordinate Plane
Unit 27: Classify Polygons
Math Fluency Practice
Math Resources
Answer Key

# **Using This Book**

#### What Is the Common Core?

The Common Core State Standards are an initiative by the states to set shared, consistent, and clear expectations of what students are expected to learn, so teachers and parents know what they need to do to help them. The standards are designed to be rigorous and pertinent to the real world. They reflect the knowledge and skills that our young people need for success in college and careers.

#### What Are the Intended Outcomes of Common Core?

The goal of the Common Core Standards is to facilitate the following competencies.

#### Students will:

- demonstrate independence;
- build strong content knowledge;
- respond to the varying demands of audience, task, purpose, and discipline;
- comprehend as well as critique;
- value evidence;
- use technology and digital media strategically and capably;
- come to understand other perspectives and cultures.

#### What Does This Mean for You?

If your state has joined the Common Core State Standards Initiative, then as a teacher you are required to incorporate these standards into your lesson plans. Your students may need targeted practice in order to meet grade-level standards and expectations and thereby be promoted to the next grade. This book is appropriate for on-grade-level students as well as for intervention, ELs, struggling readers, and special needs. To see if your state has joined the initiative, visit the Common Core States Standards Initiative website to view the most recent adoption map: http://www.corestandards.org/in-the-states.

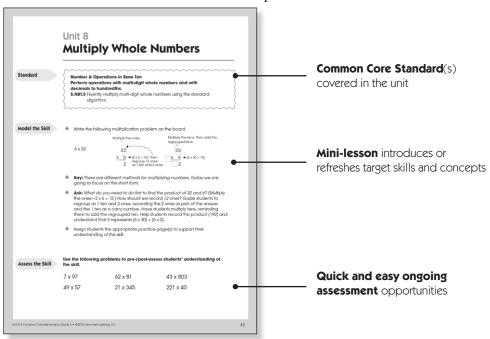
### What Does the Common Core Say Specifically About Math?

For math, the Common Core sets the following key expectations.

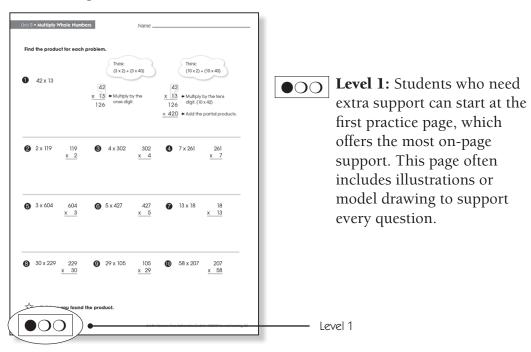
- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

#### **How Does Common Core Mathematics Help My Students?**

• **Mini-lesson for each unit** introduces Common Core math skills and concepts.



• **Four practice pages** with three levels of differentiated practice, and word problems follow each mini-lesson.



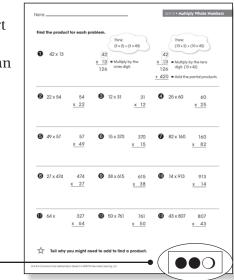
Each practice page includes a bonus thinking-skills question so students can answer "How do you know?" to address Common Core Standards of Mathematical Practice and demonstrate their reasoning and understanding of the concept.

**Level 2:** The second level of practice offers streamlined support features for the first few problems (illustrations, model drawing, or an algorithm reminder for support).

Level 2

Level 3 -

Word Problem Page

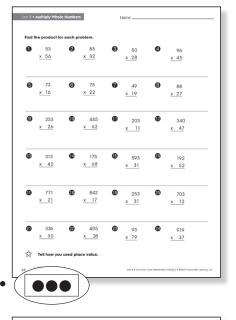


**Level 3:** The third practice page 000 does not offer on-page support and depicts how students are expected to be able to perform at this grade level, whether in class or in testing.



## Tell how you used place value.

Bonus Thinking Skills question on each practice page



Word Problems: Each unit ends with a page of short answer and multiple-choice word problems so students are challenged to marry their computation skills with their quantitative-reasoning and problem-solving skills and grow more familiar with the types of problems they will encounter on standardized tests.

The property is 382 meters long and 89 meters wide. What is the area of the property? There are 124 guests at the charity fundraiser. After the event costs, each guest donates \$85. How much will money will the charity raise? **a)** 207,360 **b)** 209,664 **b)** \$10,520 c) \$10,510