



Sequencing Guide

Ready® Math © 2016 to Go Math! Common Core Edition © 2012 Grade 4

The following table shows the alignment of Ready® Math ©2016 lessons to Go Math! Common Core Edition ©2012 for Grade 4. We recommend that teachers use the Ready lesson(s) listed alongside each textbook lesson to target and reinforce the standard(s) shown in parentheses. Ready lessons may be taught before, or after, the aligned textbook lesson, at the teacher's discretion.

To address situations in which educators may not be using all textbook units or lessons, or may be using them out of sequence, we have repeated some Ready lessons across the yearlong scope and sequence. We recommend using Ready lessons in their first relevant occurrence, although educators may choose to revisit parts of Ready lessons as needed in subsequent instances.

Our editors have chosen the places of best fit for Ready lessons taking into consideration both the skill focus of a textbook lesson and the opportunities afforded by its reading passages for students to practice application of a given standard. As a result of this approach, in some cases, the recommended Ready lesson may not directly map to the publisher's correlations.

Grade 4: Recommended Sequencing for Ready® Math © 2016 with GO Math! Common Core Edition © 2012

Ready lessons in italics indicate a "Focus on Concepts" lesson.

GO Math! Common Core Edition					Ready Math
Chapter	Chapter Name	Lesson	Lesson Title	Alignment	Recommended Lesson Sequencing
Chapter 1	Place Value, Addition, and Subtraction to One Million	1.1	Model Place Value Relationships	4.NBT.1	Lesson 1: <i>Understand Place Value</i> (4.NBT.A.1, 4.NBT.A.2)
		1.2	Read and Write Numbers	4.NBT.2	Lesson 2: Compare Whole Numbers (4.NBT.A.2)
		1.3	Compare and Order Numbers	4.NBT.2	Lesson 3: Add and Subtract Whole Numbers (4.NBT.B.4)
		1.4	Round Numbers	4.NBT.3	Lesson 4: Round Whole Numbers (4.NBT.A.3)
		1.5	Rename Numbers	4.NBT.1	Math in Action: Use Whole Numbers (4.NBT.A.1, 4.NBT.A.2, 4.NBT.A.3, 4.NBT.B.4)
		1.6	Add Whole Numbers	4.NBT.4	
		1.7	Subtract Whole Numbers	4.NBT.4	
		1.8	Comparison Problems with Addition and Subtraction	4.NBT.4	
Chapter 2	Multiply by 1-Digit Numbers	2.1	Multiplication Comparisons	4.OA.1	Lesson 5: <i>Understand Multiplication</i> (4.OA.A.1)
		2.2	Comparison Problems	4.OA.2	Lesson 6: Multiplication and Division in Word Problems (4.OA.A.2)
		2.3	Multiply Tens, Hundreds, and Thousands	4.NBT.5	Lesson 9: Model Multi-Step Problems (4.OA.A.3)
		2.4	Estimate Products	4.NBT.5	Lesson 10: Solve Multi-Step Problems (4.OA.A.3)
		2.5	Multiply Using the Distributive Property	4.NBT.5	Lesson 11: Multiply Whole Numbers (4.NBT.B.5)
		2.6	Multiply Using Expanded Form	4.NBT.5	Math in Action: Use Algebraic Thinking (4.OA.A.1, 4.OA.A.2, 4.OA.A.3, 4.OA.B.4, 4.OA.C.5)
		2.7	Multiply Using Partial Products	4.NBT.5	Math in Action: Use Multiplication and Division (4.NBT.B.5, 4.NBT.B.6)
		2.8	Multiply Using Mental Math	4.NBT.5	
		2.9	Multistep Multiplication Problems	4.OA.3	
		2.10	Multiply 2-Digit Numbers with Regrouping	4.NBT.5	
		2.11	Multiply 3-Digit and 4-Digit Numbers with Regrouping	4.NBT.5	
		2.12	Solve Multistep Problems Using Equations	4.OA.3	
Chapter 3	Multiply 2-Digit Numbers	3.1	Multiply by Tens	4.NBT.5	Lesson 11: Multiply Whole Numbers (4.NBT.B.5)
		3.2	Estimate Products	4.NBT.5	Math in Action: Use Multiplication and Division (4.NBT.B.5, 4.NBT.B.6)
		3.3	Area Models and Partial Products	4.NBT.5	
		3.4	Multiply Using Partial Products	4.NBT.5	
		3.5	Multiply with Regrouping	4.NBT.5	
		3.6	Choose a Multiplication Method	4.NBT.5	
		3.7	Multiply 2-Digit Numbers	4.OA.3	

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Chapter	Chapter Name	Lesson	Lesson Title	Alignment	Recommended Lesson Sequencing
Chapter 4	Divide by 1-Digit Numbers	4.1	Estimate Quotients Using Multiples	4.NBT.6	Lesson 12: Divide Whole Numbers (4.NBT.B.6) Math in Action: Use Multiplication and Division (4.NBT.B.5, 4.NBT.B.6)
		4.2	Remainders	4.NBT.6	
		4.3	Interpret the Remainder	4.OA.3	
		4.4	Divide Tens, Hundreds, and Thousands	4.NBT.6	
		4.5	Estimate Quotients Using Compatible Numbers	4.NBT.6	
		4.6	Division and the Distributive Property	4.NBT.6	
		4.7	Divide Using Repeated Subtraction	4.NBT.6	
		4.8	Divide Using Partial Quotients	4.NBT.6	
		4.9	Model Division with Regrouping	4.NBT.6	
		4.10	Place the First Digit	4.NBT.6	
		4.11	Divide by 1-Digit Numbers	4.NBT.6	
		4.12	Multistep Division Problems	4.OA.3	
Chapter 5	Factors, Multiples, and Patterns	5.1	Model Factors	4.OA.4	Lesson 7: Multiples and Factors (4.OA.B.4) Lesson 8: Number and Shape Patterns (4.OA.C.5) Math in Action: Use Algebraic Thinking (4.OA.A.1, 4.OA.A.2, 4.OA.A.3, 4.OA.B.4, 4.OA.C.5)
		5.2	Factors and Divisibility	4.OA.4	
		5.3	Common Factors	4.OA.4	
		5.4	Factors and Multiples	4.OA.4	
		5.5	Prime and Composite Numbers	4.OA.4	
		5.6	Number Patterns	4.OA.5	
Chapter 6	Fraction Equivalence and Comparison	6.1	Equivalent Fractions	4.NF.1	Lesson 13: <i>Understand Equivalent Fractions</i> (4.NF.A.1) Lesson 14: Compare Fractions (4.NF.A.2) Math in Action: Use Fractions and Decimals (4.NF.A.1, 4.NF.A.2, 4.NF.B.3, 4.NF.B.4, 4.NF.C.5, 4.NF.C.6, 4.NF.C.7)
		6.2	Generate Equivalent Fractions	4.NF.1	
		6.3	Simplest Form	4.NF.1	
		6.4	Common Denominators	4.NF.1	
		6.5	Find Equivalent Fractions	4.NF.1	
		6.6	Compare Fractions Using Benchmarks	4.NF.2	
		6.7	Compare Fractions	4.NF.2	
		6.8	Compare and Order Fractions	4.NF.2	

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Chapter 7	Add and Subtract Fractions	7.1	Add and Subtract Parts of a Whole	4.NF.3.a	Lesson 15: <i>Understand Fraction Addition and Subtraction</i> (4.NF.A.3a, 4.NF.A.3b) Lesson 16: Add and Subtract Fractions (4.NF.A.3a, 4.NF.A.3d) Lesson 17: Add and Subtract Mixed Numbers (4.NF.A.3a, 4.NF.A.3c, 4.NF.A.3d) Math in Action: Use Fractions and Decimals (4.NF.A.1, 4.NF.A.2, 4.NF.B.3, 4.NF.B.4, 4.NF.C.5, 4.NF.C.6, 4.NF.C.7)
		7.2	Write Fractions as Sums	4.NF.3.b	
		7.3	Add Fractions Using Models	4.NF.3.d	
		7.4	Subtract Fractions Using Models	4.NF.3.d	
		7.5	Add and Subtract Fractions	4.NF.3.d	
		7.6	Rename Fractions and Mixed Numbers	4.NF.3.b	
		7.7	Add and Subtract Mixed Numbers	4.NF.3.c	
		7.8	Subtraction with Renaming	4.NF.3.c	
		7.9	Fractions and Properties of Addition	4.NF.3.c	
		7.10	Multistep Fraction Problems	4.NF.3.d	
Chapter 8	Multiply Fractions by Whole Numbers	8.1	Multiples of Unit Fractions	4.NF.4.a	Lesson 18: <i>Understand Fraction Multiplication</i> (4.NF.B.4a, 4.NF.B.4b) Lesson 19: Multiply Fractions (4.NF.B.4c) Math in Action: Use Fractions and Decimals (4.NF.A.1, 4.NF.A.2, 4.NF.B.3, 4.NF.B.4, 4.NF.C.5, 4.NF.C.6, 4.NF.C.7)
		8.2	Multiples of Fractions	4.NF.4.b	
		8.3	Multiply a Fraction by a Whole Number Using Models	4.NF.4.b	
		8.4	Multiply a Fraction of Mixed Number by a Whole Number	4.NF.4.c	
		8.5	Comparison Problems with Fractions	4.NF.4.c	
Chapter 9	Relate Fractions and Decimals	9.1	Relate Tenths and Decimals	4.NF.6	Lesson 20: Fractions as Tenths and Hundredths (4.NF.C.5) Lesson 21: Relate Decimals and Fractions (4.NF.C.6) Lesson 22: Compare Decimals (4.NF.C.7) Lesson 24: Time and Money (4.MD.A.2) Math in Action: Use Fractions and Decimals (4.NF.A.1, 4.NF.A.2, 4.NF.B.3, 4.NF.B.4, 4.NF.C.5, 4.NF.C.6, 4.NF.C.7) Math in Action: Use Measurement and Data (4.MD.A.1, 4.MD.A.2, 4.MD.A.3, 4.MD.B.4, 4.MD.C.5, 4.MD.C.6, 4.MD.C.7)
		9.2	Relate Hundredths and Decimals	4.NF.6	
		9.3	Equivalent Fractions and Decimals	4.NF.5	
		9.4	Relate Fractions, Decimals, and Money	4.NF.6	
		9.5	Money	4.MD.2	
		9.6	Add Fractional Parts of 10 and 100	4.NF.5	
		9.7	Compare Decimals	4.NF.7	
Chapter 10	Two-Dimensional Figures	10.1	Lines, Rays, and Angles	4.G.1	Lesson 31: Points, Lines, Rays, and Angles (4.G.A.1) Lesson 32: Classify Two-Dimensional Figures (4.G.A.2) Lesson 33: Symmetry (4.G.A.2) Math in Action: Use Geometry (4.G.A.1, 4.G.A.2, 4.G.A.3)
		10.2	Classify Triangles	4.G.2	
		10.3	Parallel Lines and Perpendicular Lines	4.G.1	
		10.4	Classify Quadrilaterals	4.G.2	
		10.5	Lines Symmetry	4.G.3	
		10.6	Find and Draw Lines of Symmetry	4.G.3	
		10.7	Shape Patterns	4.OA.5	

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Chapter 11	Angles	11.1	Angles and Fractional Parts of a Circle	4.MD.5.a	Lesson 28: <i>Understand Angles</i> (4.MD.C.5a, 4.MD.C.5b)
		11.2	Degrees	4.MD.5.a	Lesson 29: Measure and Draw Angles (4.MD.C.6)
		11.3	Measure and Draw Angles	4.MD.6	Lesson 30: Add and Subtract With Angles (4.MD.C.7)
		11.4	Join and Separate Angles	4.MD.7	Math in Action: Use Measurement and Data (4.MD.A.1, 4.MD.A.2, 4.MD.A.3, 4.MD.B.4, 4.MD.C.5, 4.MD.C.6, 4.MD.C.7)
		11.5	Unknown Angle Measures	4.MD.7	
Chapter 12	Relative Sizes of Measurement Units	12.1	Measurement Benchmarks	4.MD.1	Lesson 23: Convert Measurements (4.MD.A.1)
		12.2	Customary Units of Length	4.MD.1	Lesson 24: Time and Money (4.MD.A.2)
		12.3	Customary Units of Weight	4.MD.1	Lesson 25: Length, Liquid Volume, and Mass (4.MD.A.2)
		12.4	Customary Units of Liquid Volume	4.MD.1	Math in Action: Use Measurement and Data (4.MD.A.1, 4.MD.A.2, 4.MD.A.3, 4.MD.B.4, 4.MD.C.5, 4.MD.C.6, 4.MD.C.7)
		12.5	Line Plots	4.MD.4	
		12.6	Metric Units of Length	4.MD.1	
		12.7	Metric Units of Mass and Liquid Volume	4.MD.1	
		12.8	Units of Time	4.MD.1	
		12.9	Elapsed Time	4.MD.2	
		12.10	Mixed Measures	4.MD.2	
		12.11	Patterns in Measurement Units	4.MD.1	
Chapter 13	Algebra: Perimeter and Area	13.1	Perimeter	4.MD.3	Lesson 26: Perimeter and Area (4.MD.A.3)
		13.2	Area	4.MD.3	Math in Action: Use Measurement and Data (4.MD.A.1, 4.MD.A.2, 4.MD.A.3, 4.MD.B.4, 4.MD.C.5, 4.MD.C.6, 4.MD.C.7)
		13.3	Area of Combined Rectangles	4.MD.3	
		13.4	Find Unknown Measures	4.MD.3	
		13.5	Find the Area	4.MD.3	