



Sequencing Guide

Ready® Mathematics to Math Expressions © 2013 Grades K-5

The following tables show the alignment of Ready® Mathematics lessons to Math Expressions © 2013 for Grades K-5. 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 2: Recommended Sequencing for Ready® Mathematics with Math Expressions © 2013

Math Expressions Grade 2					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
1: (Addition and Subtraction Within 20)	Strategies for Addition and Subtraction	1–1	Represent Addition and Subtraction	2.OA.1 2.OA.2 2.NBT.9	Lesson 1: Understand Mental Math Strategies (Fact Families) (2.OA.B.2) Lesson 3: Understand Mental Math Strategies (Make a Ten) (2.OA.B.2) Lesson 4: Understand Even and Odd Numbers (2.OA.C.3, 2.NBT.A.2)
		1–2	Relate Addition and Subtraction	2.OA.1 2.OA.2	
		1–3	Make-a-Ten Strategies	2.OA.2 2.NBT.9	
		1–4	Relate Unknown Addends and Subtraction	2.OA.1 2.OA.2	
		1–5	More Practice with Unknown Addends and Teen Totals	2.OA.2	
		1–6	Odd and Even Numbers	2.OA.3	
		1–7	Strategies Using Doubles	2.OA.2 2.OA.3	
		1–8	Equations, Equation Chains, and Vertical Form	2.OA.2	
		1–9	Add Three or Four Addends	2.OA.2 2.NBT.5 2.NBT.6 2.NBT.9	
	Addition and Subtraction Situations	1–10	<i>Add To</i> and <i>Take From</i> Word Problems	2.OA.1 2.OA.2	Lesson 2: Solve One-Step Word Problems (2.OA.A.1)
		1–11	<i>Add To</i> and <i>Take From</i> Problems—Unknown in All Positions	2.OA.1 2.OA.2	
		1–12	<i>Put Together/Take Apart</i> Problems	2.OA.1 2.OA.2	

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Topic	Topic Name	Lesson	Lesson Title	TEKS	
		1–13	Speical <i>Put Together/Take Apart</i> Problems	2.OA.1 2.OA.2	
		1–14	<i>Compare</i> Word Problems	2.OA.1 2.OA.2	
		1–15	More <i>Compare</i> Word Problems	2.OA.1 2.OA.2	
		1–16	Mixed Word Problems	2.OA.1 2.OA.2	
	More Complex Situations	1–17	Problems with Not Enough, Extra, or Hidden Information	2.OA.1 2.OA.2	Lesson 2: Solve One-Step Word Problems (2.OA.A.1) Lesson 6: Solve Two-Step Word Problems (2.OA.A.1)
		1–18	More Complex <i>Compare</i> Problems	2.OA.1 2.OA.2	
		1–19	Two-Step Word Problems	2.OA.1 2.OA.2	
		1–20	Mixed Word Problems	2.OA.1 2.OA.2	
		1–21	Focus on Mathematical Practices	2.OA.1 2.OA.2 2.OA.3	

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Math Expressions Grade 2					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
2: (Addition Within 200)	Use Place Value	2–1	Ones, Tens, and Hundreds	2.OA.1 2.OA.2 2.NBT.1 2.NBT.1a 2.NBT.2 2.NBT.3	Lesson 10: Understand Three-Digit Numbers (2.NBT.A.1a, 2.NBT.A.1b, 2.NBT.A.2) Lesson 11: Read and Write Three-Digit Numbers (2.NBT.A.3) Lesson 12: Compare Three-Digit Numbers (2.NBT.A.4)
		2–2	Draw Quick Tens and Quick Hundreds	2.OA.1 2.OA.2 2.NBT.1 2.NBT.1a 2.NBT.2 2.NBT.3 2.NBT.5	
		2–3	Represent Numbers in Different Ways	2.NBT.1 2.NBT.1a 2.NBT.2 2.NBT.3	
		2–4	Combine Ones, Tens, and Hundreds	2.NBT.1 2.NBT.1a 2.NBT.3 2.NBT.5 2.NBT.7 2.NBT.8 2.NBT.9	
		2–5	Compare Numbers Within 200	2.NBT.1 2.NBT.3 2.NBT.4	

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Math Expressions Grade 2					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
	Add 2-Digit Numbers	2–6	Explore 2-Digit Addition	2.NBT.1 2.NBT.1a 2.NBT.6 2.NBT.7 2.NBT.9	Lesson 7: Add Two-Digit Numbers (2.NBT.B.5, 2.NBT.B.8) Lesson 9: Solve One-Step Word Problems with Two-Digit Numbers (2.NBT.B.5, 2.OA.A.1)
		2–7	Addition—Show All Totals Method	2.OA.1 2.NBT.1 2.NBT.1a 2.NBT.7 2.NBT.9	
		2–8	Addition—New Groups Below Method	2.NBT.1 2.NBT.1a 2.NBT.6 2.NBT.7 2.NBT.9	
		2–9	Practice Addition with Sums over 100	2.NBT.1 2.NBT.1a 2.NBT.6 2.NBT.7 2.NBT.9	
		2–10	Choose an Addition Method	2.NBT.1 2.NBT.1a 2.NBT.6 2.NBT.7 2.NBT.9	

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Math Expressions Grade 2					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
	Money and Fluency for Addition Within 100	2–11	Buy with Pennies and Dimes	2.NBT.1 2.NBT.1a 2.NBT.7 2.MD.8	Lesson 7: Add Two-Digit Numbers (2.NBT.B.5, 2.NBT.B.8) Lesson 15: Add Several Two-Digit Numbers (2.NBT.B.6, 2.NBT.B.5, 2.NBT.B.9) Lesson 25: Solve Word Problems Involving Money (2.MD.C.8, 2.NBT.A.2)
		2–12	Pennies, Nickels, and Dimes	2.NBT.2 2.MD.8	
		2–13	Fluency: Addition Within 100	2.NBT.5	
		2–14	Add Three or Four 2-Digit Addends	2.NBT.5 2.NBT.6 2.NBT.7	
		2–15	Focus on Mathematical Practices	2.OA.1 2.NBT.2 2.NBT.4 2.NBT.5 2.NBT.7 2.MD.8	
3: (Length and Shapes)	Length and Shapes	3–1	Measure Length	2.OA.2 2.MD.1 2.MD.4	Lesson 16: Understand Length and Measurement Tools (2.MD.A.1) Lesson 17: Measure Length (2.MD.A.1) Lesson 18: Understand Measurement with Different Units (2.MD.A.2) Lesson 19: Understand Estimating Length (2.MD.A.3) Lesson 20: Compare Lengths (2.MD.A.4) Lesson 26: Recognize and Draw Shapes (2.G.A.1)
		3–2	Recognize and Draw Shapes	2.OA.2 2.MD.4 2.G.1	
		3–3	Estimate and Measure	2.OA.2 2.NBT.6 2.MD.1 2.MD.3 2.G.1	

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Math Expressions Grade 2					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
		3–4	Draw, Estimate, and Measure	2.OA.2 2.NBT.6 2.MD.1 2.MD.3 2.G.1	
		3–5	Draw Using Faces	2.G.1	
	Estimate, Measure, and Make Line Plots	3–6	Estimate and Measure with Centimeters	2.NBT.4 2.MD.1 2.MD.3 2.MD.4 2.MD.9	Lesson 16: Understand Length and Measurement Tools (2.MD.A.1) Lesson 17: Measure Length (2.MD.A.1) Lesson 18: Understand Measurement with Different Units (2.MD.A.2) Lesson 19: Understand Estimating Length (2.MD.A.3) Lesson 22: Understand Reading and Making Line Plots (2.MD.B.6, 2.MD.D.9)
		3–7	Estimate and Measure with Inches	2.MD.1 2.MD.2 2.MD.3 2.MD.9	
		3–8	Measure for and Make Line Plots	2.MD.1 2.MD.2 2.MD.3 2.MD.9	
		3–9	Focus on Mathematical Practices	2.NBT.5 2.MD.1 2.MD.2 2.G.1	

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Math Expressions Grade 2					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
4: (Subtract 2-Digit Numbers)	Totals of Mixed Coins and Bills	4–1	Explore Quarters	2.NBT.7 2.MD.8	Lesson 25: Solve Word Problems Involving Money (2.MD.C.8, 2.NBT.A.2)
		4–2	Explore Dollars	2.NBT.7 2.MD.8	
	Multidigit Subtraction Strategies	4–3	Addends and Subtraction	2.OA.1 2.NBT.1a 2.NBT.5 2.NBT.7 2.NBT.9	Lesson 8: Subtract Two-Digit Numbers (2.NBT.B.5, 2.NBT.B.8) Lesson 9: Solve One-Step word Problems with Two-Digit Numbers (2.NBT.B.5, 2.OA.A.1) Lesson 14: Subtract Three-Digit Numbers (2.NBT.B.7, 2.NBT.B.9)
		4–4	Subtraction Word Problems	2.OA.1 2.NBT.1a 2.NBT.5 2.NBT.7 2.NBT.9	
		4–5	Two Methods of Subtraction	2.OA.1 2.NBT.5 2.NBT.7 2.NBT.9	
		4–6	Practice and Explain a Method	2.NBT.5 2.NBT.7 2.NBT.9	
		4–7	Subtract from 200	2.NBT.1 2.NBT.1a 2.NBT.1b 2.NBT.7 2.NBT.9	
		4–8	Ungroup from the Left or from the Right	2.NBT.1 2.NBT.1a 2.NBT.7 2.NBT.9	

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Math Expressions Grade 2					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
		4–9	Zero in the Ones or Tens Place	2.NBT.1 2.NBT.1a 2.NBT.7 2.NBT.9	
		4–10	Model Subtracting with Money	2.NBT.1 2.NBT.1a 2.NBT.7 2.NBT.9 2.MD.8	
		4–11	Fluency: Subtraction Within 100	2.NBT.5	
	Word Problems: Addition and Subtraction Within 100	4–12	Word Problems with Addition and Subtraction	2.OA.1 2.NBT.1 2.NBT.1a 2.NBT.5 2.NBT.7 2.NBT.9	Lesson 2: Solve One-Step Word Problems (2.OA.A.1) Lesson 6: Solve Two-Step Word Problems (2.OA.A.1) Lesson 7: Add Two-Digit Numbers (2.NBT.B.5, 2.NBT.B.8) Lesson 8: Subtract Two-Digit Numbers (2.NBT.B.5, 2.NBT.B.8) Lesson 9: Solve One-Step word Problems with Two-Digit Numbers (2.NBT.B.5, 2.OA.A.1)
		4–13	Equations with Greater Numbers	2.OA.1 2.OA.2 2.NBT.5	
		4–14	Practice Addition and Subtraction	2.OA.1 2.NBT.5 2.NBT.9	
		4–15	Buy and Sell with One Dollar	2.NBT.4 2.NBT.5 2.NBT.6 2.NBT.9 2.MD.8	

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Math Expressions Grade 2					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
		4–16	Word Problems with Unknown Addends	2.OA.1 2.NBT.5 2.NBT.7	
		4–17	More Word Problems with Unknown Addends	2.OA.1 2.NBT.5 2.NBT.9	
		4–18	<i>Start Unknown</i> Problems	2.OA.1 2.NBT.5	
		4–19	<i>Compare</i> Word Problems	2.OA.1 2.NBT.5	
		4–20	Mixed Word Problems	2.OA.1 2.NBT.5	
		4–21	Two-Step Problems	2.OA.1 2.NBT.5	
		4–22	More Two-Step Problems	2.OA.1 2.NBT.5	
		4–23	Focus on Mathematical Practices	2.OA.1 2.NBT.5 2.NBT.7 2.MD.1 2.MD.3 2.MD.4 2.MD.5	

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Math Expressions Grade 2					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
5: (Time, Graphs, and Word Problems)	Time	5–1	Hours and AM or PM	2.MD.7	Lesson 24: Tell and Write Time (2.MD.C.7, 2.NBT.A.2)
		5–2	Hours and Minutes	2.NBT.2 2.MD.7 2.G.3	
	Picture Graphs	5–3	Discuss Picture Graphs	2.OA.1 2.OA.2 2.MD.10	Lesson 23: Draw and Use Bar Graphs and Picture Graphs (2.MD.D.10)
		5–4	Read Picture Graphs	2.OA.1 2.OA.2 2.MD.10	
	Bar Graphs	5–5	Introduce Bar Graphs	2.OA.1 2.OA.2 2.MD.10	Lesson 23: Draw and Use Bar Graphs and Picture Graphs (2.MD.D.10)
		5–6	Read Bar Graphs	2.OA.1 2.NBT.5 2.MD.10	
		5–7	Solve Problems Using a Bar Graph	2.OA.1 2.NBT.5 2.NBT.6 2.MD.10	
		5–8	Collect and Graph Data	2.MD.10	
		5–9	Make Graphs and Interpret Data	2.OA.1 2.OA.2 2.MD.10	
		5–10	Focus on Mathematical Practices	2.OA.1 2.OA.2 2.NBT.4 2.MD.10	

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Math Expressions Grade 2					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
6: (3-Digit Addition and Subtraction)	Understanding Numbers to 1,000	6–1	Count Numbers to 1, 000	2.NBT.1a 2.NBT.1b 2.NBT.2 2.NBT.3 2.MD.8	Lesson 10: Understand Three-Digit Numbers (2.NBT.A.1a, 2.NBT.A.1b, 2.NBT.A.2) Lesson 11: Read and Write Three-Digit Numbers (2.NBT.A.3) Lesson 12: Compare Three-Digit Numbers (2.NBT.A.4) Lesson 13: Add Three-Digit Numbers (2.NBT.B.7, 2.NBT.B.9)
		6–2	Place Value	2.NBT.1 2.NBT.3 2.NBT.7 2.NBT.8 2.NBT.9	
		6–3	Compare Numbers Within 999	2.NBT.4	
		6–4	Count by Ones and by Tens	2.NBT.1a 2.NBT.2 2.NBT.3 2.NBT.8	
		6–5	Add Ones, Tens, and Hundreds	2.NBT.7	
	Adding to 1,000	6–6	3-Digit Addition	2.NBT.7 2.NBT.9	Lesson 13: Add Three-Digit Numbers (2.NBT.B.7, 2.NBT.B.9)
		6–7	Discuss 3-Digit Addition	2.NBT.7 2.NBT.9	
		6–8	Word Problems: Unknown Addends	2.OA.1 2.NBT.7 2.NBT.9	

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Topic	Topic Name	Lesson	Lesson Title	TEKS	
	3-Digit Subtraction	6–9	Subtract from Hundreds Numbers	2.OA.1 2.NBT.7 2.NBT.9	Lesson 14: Subtract Three-Digit Numbers (2.NBT.B.7, 2.NBT.B.9)
		6–10	Subtract from Numbers with Zeros	2.NBT.7 2.NBT.9	
		6–11	Subtract from Any 3-Digit Number	2.NBT.7 2.NBT.9	
		6–12	Practice Ungrouping	2.NBT.7 2.NBT.9	
	3-Digit Addition and Subtraction	6–13	Relationships Between Addition and Subtraction Methods	2.NBT.7 2.NBT.9	Lesson 13: Add Three-Digit Numbers (2.NBT.B.7, 2.NBT.B.9) Lesson 14: Subtract Three-Digit Numbers (2.NBT.B.7, 2.NBT.B.9)
		6–14	Mixed Addition and Subtraction Word Problems	2.OA.1 2.NBT.5 2.NBT.7	
		6–15	Focus on Mathematical Practices	2.OA.1 2.NBT.4 2.NBT.5 2.NBT.7 2.NBT.9	

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Topic	Topic Name	Lesson	Lesson Title	TEKS	
7: (Arrays, Equal Shares, and Adding or Subtracting Lengths)	Arrays and Equal Shares	7–1	Arrays, Partitioned Rectangles, and Equal Shares	2.OA.3 2.OA.4 2.MD.1 2.G.1 2.G.2 2.G.3	Lesson 5: Add Using Arrays (2.OA.C.4, 2.NBT.A.2) Lesson 28: Understand Halves, Thirds, and Fourths in Shapes (2.G.A.3)
		7–2	Find Equal Shares	2.G.1 2.G.3	
	Relate Addition and Subtraction to Length	7–3	Length Word Problems and Number Line Diagrams	2.OA.1 2.MD.5 2.MD.6	Lesson 21: Add and Subtract Lengths (2.MD.B.5, 2.MD.B.6, 2.OA.A.1)
		7–4	Add Three and Four Lengths	2.OA.1 2.NBT.5 2.NBT.6 2.MD.5 2.G.1	
		7–5	More Length Word Problems	2.OA.1 2.NBT.5 2.NBT.6 2.MD.5 2.MD.6	
		7–6	Focus on Mathematical Practices	2.OA.4 2.G.2 2.G.3	