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 3: Recommended Sequencing for Ready® Mathematics with Math Expressions © 2013

Math Expressions Grade 3					Ready Mathematics
Topic	**Topic Name**	**Lesson**	**Lesson Title**	**TEKS**	
1: (Multiplication and Division with 0–5, 9, and 10)	Meanings of Multiplication and Division: 5s and 2s	1–1	Multiply with 5	3.OA.1 3.OA.4 3.OA.7 3.OA.9	Lesson 1: Understand the Meaning of Multiplication (3.OA.A.1, 3.OA.A.3) Lesson 2: Use Order and Grouping to Multiply (3.OA.B.5, 3.OA.A.1, 3.OA.A.3) Lesson 3: Split Numbers to Multiply (3.OA.B.5, 3.OA.A.1, 3.OA.A.3) Lesson 4: Understand the Meaning of Division (3.OA.A.2, 3.OA.A.3) Lesson 5: Understand How Multiplication and Division are Connected (3.OA.B.6, 3.OA.A.4) Lesson 6: Multiplication and Division Facts (3.OA.A.4, 3.OA.C.7, 3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.B6, 3.OA.C7)
		1–2	Multiplication as Equal Groups	3.OA.1 3.OA.3 3.OA.7	
		1–3	Multiplication and Arrays	3.OA.1 3.OA.3 3.OA.5 3.OA.7	
		1–4	The Meaning of Division	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7	
		1–5	Mulitply and Divide with 2	3.OA.1 3.OA.2 3.OA.4 3.OA.6 3.OA.7 3.OA.9	

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| | Math Expressions Grade 3 | | | | Ready Mathematics |
Topic	Topic Name	Lesson	Lesson Title	TEKS	
		1–6	Building Fluency with 2s and 5s	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.5 3.OA.6 3.OA.7	
	Patterns and Strategies: 9s and 10s	1–7	Multiply and Divide with 10	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7 3.OA.9	Lesson 6: Multiplication and Division Facts (3.OA.A.4, 3.OA.C.7, 3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7)
		1–8	Multiply and Divide with 9	3.OA.1 3.OA.4 3.OA.6 3.OA.7 3.OA.9	
		1–9	Building Fluency with 2s, 5s, 9s, and 10s	3.OA.4 3.OA.6 3.OA.7	

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Math Expressions Grade 3					Ready Mathematics
Topic	**Topic Name**	**Lesson**	**Lesson Title**	**TEKS**	
	Strategies for Factors and Products: 3s and 4s	1–10	Multiply and Divide with 3	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7 3.OA.9	Lesson 6: Multiplication and Division Facts (3.OA.A.4, 3.OA.C.7, 3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7)
		1–11	Multiplication and Area	3.OA.4 3.OA.5 3.OA.6 3.OA.7 3.MD.5a 3.MD.5b 3.MD.6 3.MD.7a 3.MD.7b 3.MD.7c 3.MD.7d	
		1–12	Multiply and Divide with 4	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7 3.OA.9 3.MD.7b 3.MD.7c	

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Math Expressions Grade 3					Ready Mathematics
Topic	**Topic Name**	**Lesson**	**Lesson Title**	**TEKS**	
		1–13	Use the Strategy Cards	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7	
		1–14	Building Fluency with 2s, 3s, 4s, 5s, 9s, and 10s	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.5 3.OA.6 3.OA.7 3.MD.7c	
	Multiply with 1 and 0	1–15	Multiply and Divide with 1 and 0	3.OA.5 3.OA.6 3.OA.7 3.OA.9	Lesson 6: Multiplication and Division Facts (3.OA.A.4, 3.OA.C.7, 3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7) Lesson 11: Solve One-Step Word Problems Using Multiplication and Division (3.OA.A.3, 3.OA.B.5, 3.OA.B.6)
		1–16	Solve and Create Word Problems	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7	

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	Math Expressions Grade 3				Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
		1–17	Play Multiplication and Division Games	3.OA.6 3.OA.7	
		1–18	Building Fluency with 0s, 1s, 2s, 3s, 4s, 5s, 9s, and 10s	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7	
		1–19	Focus on Mathematical Practices	3.OA.1 3.OA.2 3.OA.3 3.OA.5 3.OA.7 3.OA.9	

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Math Expressions Grade 3					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
2: (Multiplication and Division with 6s, 7s, 8s and Multiply with Multiples of 10)	The Remaining Multiplications	2–1	Multiply and Divide with 6	3.OA.4 3.OA.5 3.OA.6 3.OA.7 3.OA.9	Lesson 6: Multiplication and Division Facts (3.OA.A.4, 3.OA.C.7, 3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7) Lesson 7: Understand Patterns (3.OA.D.9) Lesson 11: Solve One-Step Word Problems Using Multiplication and Division (3.OA.A.3, 3.OA.B.5, 3.OA.B.6) Lesson 27: Understand Area (3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6) Lesson 28: Multiply to Find Area (3.MD.C.7a, 3.MD.C.7b)
		2–2	Solve Area Word Problems	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7 3.MD.5a 3.MD.5b 3.MD.7a 3.MD.7b	
		2–3	Multiply and Divide with 8	3.OA.4 3.OA.6 3.OA.7 3.OA.9	
		2–4	Write Word Problems and Equations	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7	

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Math Expressions Grade 3					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
		2–5	Multiply and Divide with 7	3.OA.4 3.OA.6 3.OA.7 3.OA.9	
		2–6	Square Numbers	3.OA.4 3.OA.6 3.OA.7 3.OA.9 3.MD.7b	
		2–7	Practice with 6s, 7s, and 8s	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7	
		2–8	Building Fluency with 0–10s	3.OA.4 3.OA.5 3.OA.6 3.OA.7 3.OA.9 3.MD.7b	

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Math Expressions Grade 3					Ready Mathematics
Topic	**Topic Name**	**Lesson**	**Lesson Title**	**TEKS**	
	Problem Solving and Multiples of 10	2–9	Equations and Word Problems	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7 3.OA.8	Lesson 6: Multiplication and Division Facts (3.OA.A.4, 3.OA.C.7, 3.OA.A.3, 3.OA.A.4, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7) Lesson 7: Understand Patterns (3.OA.D.9) Lesson 11: Solve One-Step Word Problems Using Multiplication and Division (3.OA.A.3, 3.OA.B.5, 3.OA.B.6) Lesson 12: Model Two-Step Word Problems Using the Four Operations (3.OA.D.8, 3.OA.B.4, 3.OA.B.6, 3.NBT.A.2) Lesson 13: Solve Two-Step Word Problems Using the Four Operations (3.OA.D.8, 3.OA.B.4, 3.OA.B.6, 3.NBT.A.2)
		2–10	Write First Step Questions for Two Step Problems	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7 3.OA.8	
		2–11	Make Sense of Two Step Word Problems	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7 3.OA.8	
		2–12	Multiply with Multiples of 10	3.OA.5 3.OA.6 3.OA.7 3.NTB.3	

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Math Expressions Grade 3					Ready Mathematics
Topic	**Topic Name**	**Lesson**	**Lesson Title**	**TEKS**	
		2–13	Play Multiplication and Division Games	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.6 3.OA.7 3.OA.8	
		2–14	Building Fluency with 0s–10s	3.OA.4 3.OA.6 3.OA.7 3.OA.9	
		2–15	Focus on Mathematical Practices	3.OA.1 3.OA.2 3.OA.3 3.OA.4 3.OA.5 3.OA.7 3.OA.9	
3: (Measurement, Time, and Graphs)	Length, Capacity, Weight, and Mass	3–1	Customary Units of Length	3.MD.4	Lesson 22: Liquid Volume (3.MD.A.2) Lesson 23: Mass (3.MD.A.2) Lesson 26: Measure Length and Plot Data on Line Plots (3.MD.B.4)
		3–2	Customary Units of Liquid Volume	3.OA.3 3.MD.2	
		3–3	Metric Units of Liquid Volume	3.MD.2	
		3–4	Customary Units of Weight and Metric Units of Mass	3.OA.3 3.MD.2	

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	Math Expressions Grade 3				Ready Mathematics
Topic	**Topic Name**	**Lesson**	**Lesson Title**	**TEKS**	
		3–5	Solve Word Problems Involving Liquid Volume and Mass	3.OA.3 3.MD.2	
	Time and Date	3–6	Tell Time	3.MD.1	Lesson 20: Tell and Write Time (3.MD.A.1) Lesson 21: Solve Problems About Time (3.MD.A.1)
		3–7	Before and After the Hour	3.MD.1	
		3–8	Elapsed Time	3.MD.1	
		3–9	Add and Subtract Time	3.MD.1	
		3–10	Solve Word Problems Involving Time	3.MD.1	
	Pictographs, Bar Graphs, and Line Plots	3–11	Read and Create Pictographs and Bar Graphs	3.NBT.2 3.MD.3	Lesson 24: Solve Problems Using Scaled Graphs (3.MD.B.3, 3.OA.A.1) Lesson 25: Draw Scaled Graphs (3.MD.B.3, 3.OA.A.1) Lesson 26: Measure Length and Plot Data on Line Plots (3.MD.B.4)
		3–12	Read and Create Bar Graphs with Multidigit Numbers	3.NBT.2 3.MD.3	
		3–13	Represent and Organize Data	3.MD.4	
		3–14	Use Graphs to Solve Time and Measurement Word Problems	3.OA.3 3.MD.3 3.MD.4	
		3–15	Focus on Mathematical Practices	3.MD.1 3.MD.4	

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Math Expressions Grade 3					Ready Mathematics
Topic	**Topic Name**	**Lesson**	**Lesson Title**	**TEKS**	
4: (Multidigit Addition and Subtraction)	Understand Place Value and Rounding	4–1	Make Place Value Drawings	3.NTB.1 3.NTB.2	Lesson 8: Use Place Value to Round Numbers (3.NBT.A.1, 3.OA.B.5, 3.NBT.A.3) Lesson 9: Use Place Value to Add and Subtract (3.NBT.A.2) Lesson 10: Use Place Value to Multiply (3.NBT.A.3,3.OA.A.1, 3.OA.B.5, 3.OA.C.7, 3.NBT.A.1)
		4–2	Build Numbers	3.NTB.1 3.NTB.2	
		4–3	Place Value in Word Problems	3.NTB.1 3.NTB.2	
		4–4	Practice with Place Value	3.NTB.1 3.NTB.2	
		4–5	Round to the Nearest Hundred	3.NTB.1	
		4–6	Round to the Nearest Ten	3.NTB.1	
	Addition and Subtraction Strategies and Group to Add	4–7	Explore Multidigit Addition	3.NTB.1 3.NTB.2	Lesson 9: Use Place Value to Add and Subtract (3.NBT.A.2)
		4–8	Discuss Addition Methods	3.NTB.1 3.NTB.2	
		4–9	The Grouping Concept in Addition	3.NTB.2	
		4–10	Practice Addition	3.NTB.1 3.NTB.2	
	Ungroup to Subtract	4–11	Ungroup to Subtract	3.NTB.2	Lesson 9: Use Place Value to Add and Subtract (3.NBT.A.2)
		4–12	Subtract Across Zeros	3.NTB.2	

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Math Expressions Grade 3					Ready Mathematics
Topic	**Topic Name**	**Lesson**	**Lesson Title**	**TEKS**	
		4–13	Discuss Methods of Subtracting	3.NTB.2	
		4–14	Relate Addition and Subtraction	3.NTB.2	
		4–15	Subtraction Practice	3.NTB.2	
		4–16	Addition and Subtraction Practice	3.NTB.2	
		4–17	Solve Word Problems	3.OA.8 3.OA.9 3.NBT.1 3.NBT.2	
		4–18	Focus on Mathematical Practices	3.NBT.1 3.NBT.2	
5: (Write Equations to Solve Word Problems)	Types of Word Problems	5–1	Addition and Subtraction Situations	3.NBT.2	Lesson 11: Solve One-Step Word Problems Using Multiplication and Division (3.OA.A.3, 3.OA.B.5, 3.OA.B.6)
		5–2	Word Problems with Unknown Addends or Unknown Factors	3.OA.3 3.NBT.2	
		5–3	Word Problems with Unknown Starts	3.OA.3 3.OA.4 3.NBT.2	
		5–4	Comparison Problems	3.NBT.1 3.NBT.2	
		5–5	Comparison Problems with Misleading Language	3.NBT.2	

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Math Expressions Grade 3					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
		5–6	Word Problems with Extra, Hidden, and Not Enough Information	3.NBT.2	
	Solve Two Step Word Problems	5–7	Write First Step Questions for Two Step Problems	3.OA.3 3.OA.8	Lesson 12: Model Two-Step Word Problems Using the Four Operations (3.OA.D.8, 3.OA.B.4, 3.OA.B.6, 3.NBT.A.2) Lesson 13: Solve Two-Step Word Problems Using the Four Operations (3.OA.D.8, 3.OA.B.4, 3.OA.B.6, 3.NBT.A.2)
		5–8	Solve Two Step Word Problems	3.OA.3 3.OA.8 3.NBT.2	
		5–9	Equations and Two Step Word Problems	3.OA.3 3.OA.8 3.NBT.2	
		5–10	Practice with Two Step Word Problems	3.OA.8	
		5–11	Focus on Mathematical Practices	3.OA.3 3.OA.8 3.NBT.2	
6: (Polygons, Perimeter, and Area)	Analyzing Triangles and Quadrilaterals	6–1	Triangles	3.G.1 3.G.2	Lesson 31: Understand Properties of Shapes (3.G.A.1) Lesson 32: Classify Quadrilaterals (3.G.A.1)
		6–2	Parallelograms, Rectangles, Squares, and Rhombuses	3.G.1	
		6–3	Draw Quadrilaterals	3.G.1	
		6–4	Classify Quadrilaterals	3.G.1	

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	Math Expressions Grade 3				Ready Mathematics
Topic	**Topic Name**	**Lesson**	**Lesson Title**	**TEKS**	
	Area and Perimeter	6–5	Perimeter and Area	3.MD.5 3.MD.5a 3.MD.5b 3.MD.6 3.MD.7 3.MD.7a 3.MD.7b 3.MD.8	Lesson 27: Understand Area (3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6) Lesson 28: Multiply to Find Area (3.MD.C.7a, 3.MD.C.7b) Lesson 29: Add Areas (3.MD.C.7c, 3MD.C.7d) Lesson 30: Connect Area and Perimeter (3.MD.D.8, 3.G.A.1)
		6–6	Side Lengths with Area and Perimeter	3.MD.6 3.MD.7 3.MD.7a 3.MD.7b 3.MD.7c 3.MD.8	
		6–7	Compare Areas and Perimeter	3.MD.5 3.MD.5a 3.MD.5b 3.MD.7b 3.MD.8	
		6–8	Area of Rectilinear Figures	3.MD.7b 3.MD.7d	
		6–9	Solve Perimeter and Area Problems	3.MD.5 3.MD.7 3.MD.7b 3.MD.7d 3.MD.8	

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			Math Expressions Grade 3		Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
		6–10	Tangram Shapes and Area	3.MD.5 3.MD.6	
		6–11	Focus on Mathematical Practices	3.MD.7d 3.MD.8 3.G1	
7: (Explore Fractions)	Fraction Concepts	7–1	Understand Fractions	3.NF.1 3.G.2	Lesson 14: Understand What a Fraction Is (3.NF.A.1) Lesson 15: Understand Fractions on a Number Line (3.NF.A.2a, 3.NF.A.2b) Lesson 18: Understand Comparing Fractions (3.NF.A.3d) Lesson 19: Use Symbols to Compare Fractions (3.NF.A.3d)
		7–2	Model Fractions	3.NF.1 3.NF.2a 3.NF.3b 3.G.2	
		7–3	Locate Fractions on the Number Line	3.NF.2a 3.NF.2b	
		7–4	Compare Unit Fractions	3.NF.2a 3.NF.2b 3.NF.3d	
		7–5	Compare Fractions	3.NF.3d	
	Equivalent Fractions	7–6	Introduce Equivalence	3.NF.3a 3.NF.3b	Lesson 16: Understand Equivalent Fractions (3.NF.A.3a) Lesson 17: Find Equivalent Fractions (3.NF.A.3b, 3.NF.A.3c) Lesson 19: Use Symbols to Compare Fractions (3.NF.A.3d)
		7–7	Equivalent Fractions	3.NF.3a 3.NF.3b	

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Math Expressions Grade 3					Ready Mathematics
Topic	Topic Name	Lesson	Lesson Title	TEKS	
		7–8	Problem Solving with Fractions	3.NF.2a 3.NF.2b 3.NF.3a 3.NF.3b 3.NF.3c 3.NF.3d	
		7–9	Focus on Mathematical Practices	3.NF.1 3.NF.3a 3.NF.3b 3.G.2	