Math Support for Parents

3rd Grade Module 3 Resources

*Note: Teachers may choose to skip certain lessons throughout the year..

Module 3	Multiplication and Division with Units of 0, 1, 6-9, & Multiples of 10	Eureka Math Program
❑ Ohio Standards	❑ Module 3 Student Homework Pages ❑ Module 3 Student Workbook Pages ❑ Module 3 Tri-Fold Parent Brochure	❑ Curriculum Map ❑ Curriculum Overview
Standards **3.OA.4** **3.OA.5** **3.OA.7** **3.OA.9** 3.OA.1 3.OA.2 3.OA.3 3.OA.6	**Topic A: The Properties of Multiplication and Division** ❑ **Parent Tips** **Lesson 1**: Study commutativity to find known facts of 6, 7, 8, and 9. ❑ Duane Habecker Video **Lesson 2**: Apply the distributive and commutative properties to relate multiplication facts 5 x *n* + *n* to 6 x *n* and *n* x 6 where *n* is the size of the unit. ❑ Duane Habecker Video **Lesson 3**: Multiply and divide with familiar facts using a letter to represent the unknown. ❑ Duane Habecker Video	**Additional Module 3 Resources** **Digital Support** ❑ MAP Accelerator - login through Clever. **Home Activities** ❑ Write multiplication and division facts on a beach ball, football, volleyball, or soccer ball with a permanent marker. Toss the ball to your child. He must answer the problem under his left thumb before tossing the ball back to you. ❑ Have your child use cereal, small candies, stickers, or small toys to construct an array that shows a multiplication by 8 problem. Then ask your child to separate the array after the fifth column. Next ask her to write and solve two smaller multiplication problems that would show how many total objects are in the larger array.
Standards **3.OA.3** **3.OA.4** **3.OA.5** **3.OA.7** **3.OA.1** **3.OA.2** **3.OA.6**	**Topic B: Multiplication and Division Using Units of 6 and 7** ❑ **Parent Tips** **Lesson 4**: Count by units of 6 to multiply and divide using number bonds to decompose. ❑ Duane Habecker Video **Lesson 5**: Count by units of 7 to multiply and divide using number bonds to decompose. ❑ Duane Habecker Video **Lesson 6**: Use the distributive property as a strategy to multiply and divide using units of 6 and 7. ❑ Duane Habecker Video **Lesson 7**: Interpret the unknown in multiplication and division to model and solve problems using units of 6 and 7. ❑ Duane Habecker Video	

Standards **3.OA.3** **3.OA.4** **3.OA.5** **3.OA.7** 3.OA.1 3.OA.2 3.OA.6 3.OA.8	**Topic C: Multiplication and Division Using Units up to 8** ❏ **Parent Tips**	
	Lesson 8: Understand the function of parentheses and apply to solving problems. ❏ Duane Habecker Video	
	Lesson 9: Model the associative property as a strategy to multiply. ❏ Duane Habecker Video	
	Lesson 10: Use the distributive property as a strategy to multiply and divide. ❏ Duane Habecker Video	
	Lesson 11: Interpret the unknown in multiplication and division to model and solve problems. ❏ Duane Habecker Video	
Standards **3.OA.3** **3.OA.4** **3.OA.5** **3.OA.7** **3.OA.9** 3.OA.1 3.OA.2 3.OA.6	**Topic D: Multiplication and Division Using Units of 9** ❏ **Parent Tips**	
	Lesson 12: Apply the distributive property and the fact 9 = 10 - 1 as a strategy to multiply. ❏ Duane Habecker Video	
	Lesson 13: Identify and use arithmetic patterns to multiply. *(Note: This lesson can be omitted.)* ❏ Duane Habecker Video	
	Lesson 14: Identify and use arithmetic patterns to multiply. ❏ Duane Habecker Video	
	Lesson 15: Interpret the unknown in multiplication and division to model and solve problems. ❏ Duane Habecker Video	
Standards **3.OA.3** **3.OA.7** **3.OA.8** **3.OA.9** 3.OA.1 3.OA.2 3.OA.4 3.OA.6	**Topic E: Analysis of Patterns and Problem Solving Including Units of 0 and 1** ❏ **Parent Tips**	
	Lesson 16: Reason about and explain arithmetic patterns using units of 0 and 1 as they relate to multiplication and division. ❏ Duane Habecker Video	
	Lesson 17: Identify patterns in multiplication and division facts using multiplication table. ❏ Duane Habecker Video	
	Lesson 18: Solve two-step word problems involving all four operations and assess the reasonableness of solutions. ❏ Duane Habecker Video	

Standards	Topic F: Multiplication of Single-Digit Factors and Multiples of 10	
3.OA.5 **3.OA.8** **3.OA.9** **3.NBT.3** 3.OA.1	❏ **Parent Tips**	
	Lesson 19: Multiply by multiples of 10 using the place value chart. ❏ Duane Habecker Video	
	Lesson 20: Use place value strategies and the associative property $n \times (m \times 10) \times 10 = (n \times m) \times 10$ (where n and m are less than 10) to multiply by multiples of 10. ❏ Duane Habecker Video	
	Lesson 21: Solve two-step word problems involving multiplying single-digit factors and multiples of 10. ❏ Duane Habecker Video	