Overarching Student Learning Goals In this unit, your child will work to build an understanding of the following:	Resources/Tasks to support your child at home.
Understanding x2 Facts. Solve 2 x 7.	• Look for real-world examples of situations with doubles. For example: tires on a bicycle, sets of eyes, pairs of socks, etc.
 Skip-count by 2 seven times: 2, 4, 6, 8, 10, 12, 14 Double 7 to solve the expression. 	 MatholiaChannel: Multiplying by 2 <u>https://binged.it/2HiL9PE</u>
	 Math Playground: Math Monster Multiplication (select x2 facts) <u>https://goo.gl/L8VAZi</u>
> 2 x 7 is the same as doubling 7, or adding 7 + 7= 14.	 <u>http://gregtangmath.com/breakapart</u> (select "multiplication" then "x2")
Understanding x10 Facts.	• Look for real-world examples of skip counting by ten, such as finding the total value of dimes.
Solve 4 x 10.	• <u>http://gregtangmath.com/breakapart</u> (select
 Skip count by 10 four times: 10, 20, 30, 40 Connect multiplying by 10 to base-ten blocks and ten frames. 	"multiplication" then "x10")
	 Khan Academy: <u>Multiplying numbers by 10s, 100s, and 1000s</u> (stop after 10s!) <u>https://goo.gl/hzx67H</u>
➤ 4 x 10 is the same as 4 tens, or 40.	

Understanding x5 Facts.	• Task: 6 dimes is \$0.60. Explain how you can use this
Solve 6 x 5.	information to find out how many nickels have a value of \$0.60.
 Skip-count by 5 six times: 5, 10, 15, 20, 25, 30 Use real-world connections, such as 5 fingers on each hand and 5 cents in a nickel. We way to be a series of the products of the products have either a 5 or a 0 in the ones place. Use understanding that, since 10 is 5 doubled, x5 facts can be found by cutting x10 products in half. For example, "Since 6 x 10 is 60, 6 x 5 must be 30, because 30 is half of 60." 	 When working towards fluency of x5 facts, ask how x10 facts can be used to help find the products of x5 facts. <u>http://gregtangmath.com/breakapart</u> (select "multiplication" then "x5")
 Understanding x1 and x0 Facts. Solve 3 x 1. Create a visual model of 3 groups of 1. Apply the Commutative Property, and visualize 1 group of 3. Generalize that any factor multiplied by 1 will have that factor that is not 1 as the product. 	 Pose the following questions to support continued development of understanding of multiplication: Why is the product of any number and 0 always zero? Why will the product of 1 and any other number always be that other number? Multiply by 0 and 1 Video: https://goo.gl/g8rLqM
Solve 3 x 0. Visualize 3 groups with nothing in them. Generalize that any factor mutliplied by 0 will have a product of 0.	 Ski Racer Game: Multiply by 1 <u>https://goo.gl/mbZo4z</u> Ski Racer Game: Multiply by 0 <u>https://goo.gl/BYzqPd</u>

For more information on the learning goals and your child's progress, please contact your child's teacher.