

Unit 6

Family Letter

Florida Reveal
MATH

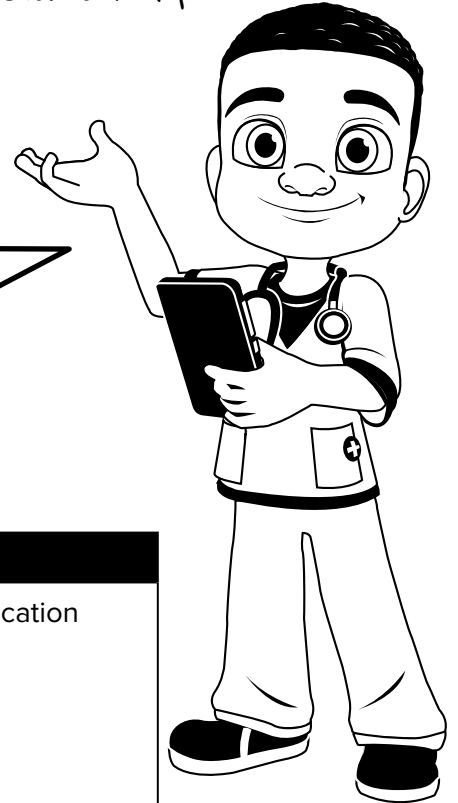
Dear Family,

In this unit, Multiply and Divide with 3, 4, 6, and 8 with Procedural Reliability, your child will use known facts to multiply. Your child will also learn to use the relationship between multiplication and division to divide.

STEM Career Kid for this Module

Hi, I'm Noah.

I want to be a nurse. I will use multiplication and division in my job when I give patients medicine. I'll show students how I will use multiplication and division in my work.



What math terms will your child use?

Term	Student Understanding
array	row of equal groups; arrays can represent multiplication problems. <div style="text-align: center;"> $\begin{array}{ccccccc} & & & 9 & & & \\ \blacksquare & \blacksquare & \blacksquare & \blacksquare & \blacksquare & \blacksquare & \blacksquare \\ 6 & \blacksquare & \blacksquare & \blacksquare & \blacksquare & \blacksquare & \blacksquare \\ & \blacksquare & \blacksquare & \blacksquare & \blacksquare & \blacksquare & \blacksquare \\ & \blacksquare & \blacksquare & \blacksquare & \blacksquare & \blacksquare & \blacksquare \\ & \blacksquare & \blacksquare & \blacksquare & \blacksquare & \blacksquare & \blacksquare \end{array}$ </div>
product	the result of multiplying two or more numbers; For example, in the equation $6 \times 9 = 54$, the number 54 is the product.
quotient	the answer when one number is divided by another
unknown	a missing number, or the number to be solved for $4 \times 8 = ?$ or $32 \div 8 = ?$



What can your child do at home?

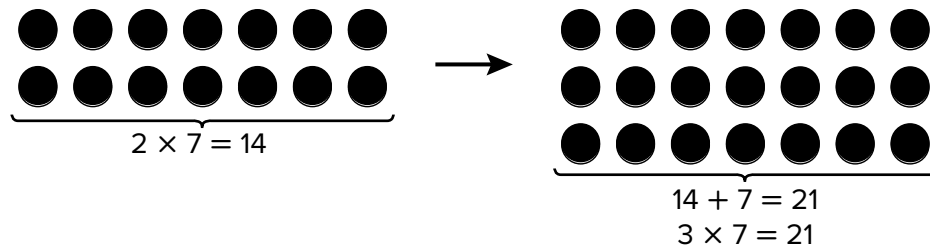
Help your child develop strategies for recalling multiplication facts. Use index cards to make two sets of number cards from 3 to 9 and place them facedown. Have your child pick 2 cards to use as factors and then find the product.

What Will Students Learn in This Unit?

Using Known Facts and Adding a Group to Multiply

Your child will practice using known facts to multiply. One strategy is to use a known fact and add one more group to find the product. For example, when multiplying 3×7 , your child can use the known fact $2 \times 7 = 14$, then add one more group of 7 to find the product of 3×7 .

Students use arrays to visualize the problems. For example, 3×7 can be shown in the following way.



Using Known Facts and Doubling to Multiply

Your child will practice using known facts and doubling the product to make finding products more manageable.

- To find the product of a 6s fact, find the product of the 3s fact and double the product.
- To find the product of a 4s fact, find the product of the 2s fact and double the product.
- To find the product of an 8s fact, find the product of the 4s fact and double the product.

Using Multiplication to Recall Division Facts

Your child will use his or her knowledge of multiplying and dividing to use related multiplication facts to recall the quotient in a division problem.

Examples:

$$24 \div 3 = ?$$

$$? \times 3 = 24$$

$$24 \div 3 = 8$$

$$8 \times 3 = 24$$