

Unit 3

Family Letter

Florida Reveal
MATH

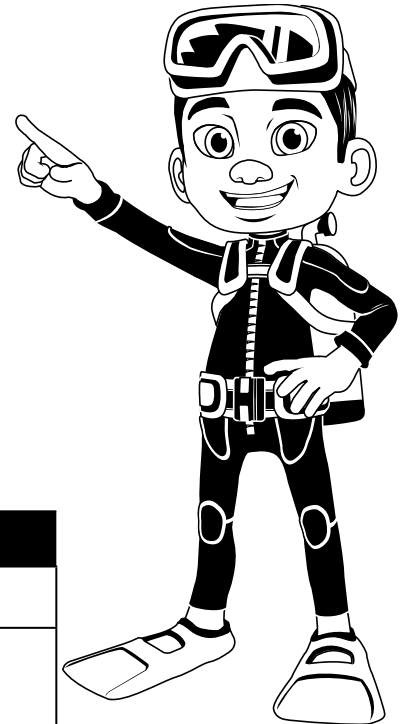
Dear Family,

In this unit, *Multiplication Facts to 144 and Related Division Facts*, your child will learn to fluently recall multiplication facts, and use this skill to recall and understand related division facts.

STEM Career Kid for this Unit

Hi, I'm Hiro.

I want to be an ocean engineer. I will use a tracker, multiplication, and division to see how far sea turtles travel. Understanding multiplication and division will make my job easier!



What math terms will your child use?

Term	Student Understanding
divisor	the number that you divide by
expression	a mathematical phrase that does not contain an equal sign, such as $2 + 5$
factor	a number being multiplied
product	the answer after you multiply one number with another
quotient	the answer after you divide one number by another
dividend	the number being divided.



What can your child do at home?

Help your child develop fluency with multiplication facts, and their related division facts. Use index cards to find the product of two factors. Then, name related division facts.

What Will Students Learn in This Unit?

Using Patterns to Recall Multiplication and Division Facts

Your child will practice recalling multiplication facts, and using those facts to recall and understand related division facts.

Examples:

$$3 \times 7 = 21$$

$$6 \times 4 = 24$$

$$21 \div 7 = 3$$

$$24 \div 6 = 4$$

Using Decomposition to Complete Multiplication and Division Facts

Your child will learn to decompose, or break apart, numbers to recall and understand multiplication facts and their related division facts.

Example:

$$\begin{aligned} 12 \times 5 &= (6 + 6) \times 5 \\ &= (6 \times 5) + (6 \times 5) \\ &= 30 + 30 \\ &= 60 \end{aligned}$$

Evaluating True Equations

Your child will learn to determine if an equation is or is not true by finding the value of the expression on each side of the equal sign, and comparing the values.

Examples:

$$2 \times 3 = 36 \div 6$$

$$12 \div 4 = 4 \times 4$$

$$2 \times 3 = 6$$

$$12 \div 4 = 3$$

$$36 \div 6 = 6$$

$$4 \times 4 = 16$$

The equation is true because both sides equal 6.

This equation is not true because 3 does not equal 16.