

Unit 4

Family Letter

Florida Reveal
MATH

Dear Family,

In this unit, *Multiplication as Comparison*, your child will learn how to solve comparison word problems using addition, division, and multiplication. Your child will also learn how to write statements and equations to compare two or more quantities.

STEM Career Kid for this Unit

Hi, I'm Hannah.

I want to be a welder. I will use math in my job when I take things apart and put them back together. I will use the math of this unit to compare the different pieces I cut and weld back together.



What math terms will your child use?

Term	Student Understanding
additive comparison	a comparison of two numbers in which one number is described as being more than the other number; for example: 12 is 3 more than 9
multiplicative comparison	a comparison of two numbers in which one number is described as a multiple of the other number; for example: 20 is 2 times as many as 10



What can your child do at home?

Help your child write multiplicative comparison statements and equations. Write the words *is*, *times as many*, and *as* on index cards. Then have your child write the numbers 1-20 on index cards, one number per card. Using the index cards, work with your child to create correct multiplicative comparison statements. Then help them write a multiplication equation to represent each multiplicative comparison statement.

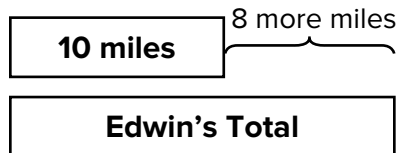
What Will Students Learn in This Unit?

Solving a Comparison Word Problem Using Addition

Your child will solve comparison word problems using addition. Your child will learn to use an addition equation to represent a comparison given in a word problem.

Example

Chan drives 10 miles. Edwin drives 8 more miles than Chan.
How many miles does Edwin drive?



$$10 + 8 = \text{Edwin's miles}$$

$$10 + 8 = 18$$

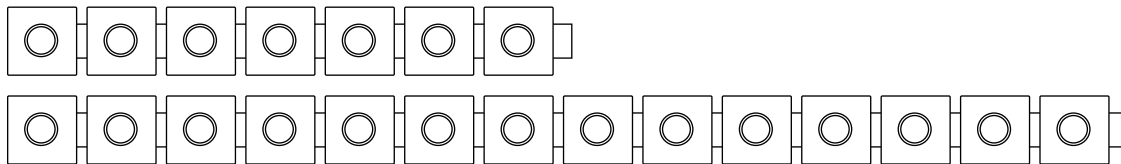
Edwin drives 18 miles.

Solving Comparison Problems Using Multiplication

Your child will write multiplicative comparison statements and multiplication equations to describe comparisons. Your child will learn that a multiplicative comparison statement has the form:

_____ is _____ times as many as _____.

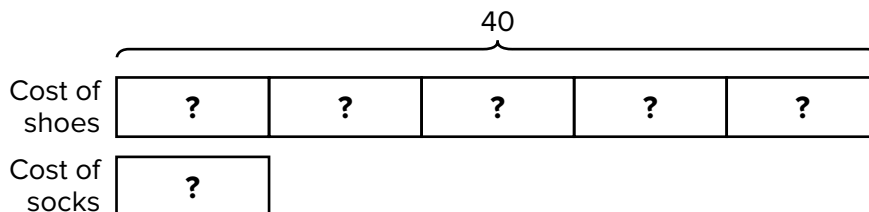
Example



14 is 2 times as many as 7.

Solve Comparison Problems Using Division

Your child will write division equations to represent multiplicative comparisons. Your child will learn to draw a bar diagram and write a division equation to solve comparisons.



$$40 \div 5 = ?$$

$$? = 8$$

Shoes cost 5 times as much as socks. Socks cost \$8.