

MY Homework**Lesson 4****Compare to Solve Problems****Homework Helper**Need help? connectED.mcgraw-hill.com

Additive comparisons use addition or subtraction to compare.

Multiplicative comparisons use multiplication or division to compare.

Maya went swimming 7 times this month. Her brother went swimming 14 times this month. How many times more did Maya's brother go swimming than Maya?

Write an equation. Let b represent the unknown.

$$7 \times b = 14$$

$$7 \times 2 = 14$$

So, $b = 2$.

Maya's brother went swimming 2 times as much as Maya.

Additive Comparison

how much more

how many more

how much less

Multiplicative Comparison

how many times more

how many times greater

Practice

Algebra Write an equation to find the unknown number.
Use a symbol for the unknown.

- Julie earned \$25. This is 5 times as much as what Lisa earned.
How much did Lisa earn?

- The red team scored 4 goals. The blue team scored 3 times as many goals. How many goals did the blue team score?



Problem Solving

Write an equation to find the unknown number.
Use a variable for the unknown.

3. A large aquarium has 6 more fish than a small aquarium. There are 19 fish in a large aquarium. How many fish are in a small aquarium?
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4. **Mathematical PRACTICE 1** **Plan Your Solution** The table shows the number of roller coasters each student rode at the amusement park.

Riding Roller Coasters	
Student	Number of Roller Coasters
Sarah	18
Tom	15
Val	3
Warren	9

How many more roller coasters has Tom been on than Val?

Who rode a roller coaster twice as many times as Warren?

My Work!

Test Practice

5. Which shows 7 times as many as 5?
- (A) 2
 - (B) 5
 - (C) 12
 - (D) 35