

Use the four operations with whole numbers (addition, subtraction, multiplication, and division) to solve problems (Standards 4.OA.1–3).

Standard 4.OA.1 Interpret a multiplication equation as a comparison (for example, interpret $35 = 5 \times 7$ as a statement that 35 is 5 times as many as 7 and 7 times as many as 5). Represent verbal statements of multiplicative comparisons as multiplication equations.

Key Elements: Being able to explain how a multiplication problem can be interpreted as a multiplicative comparison with writing an equation. Given the equation for the multiplicative comparison find the multiplicative comparison.

Multiplicative Comparison

Comparison Statement	Multiplication Equation
28 days is 4 times longer than 7 days	$28 = 4 \times 7$
72 inches is 12 times the length of 6 inches	$72 = 12 \times 6$
36 pounds is 9 times as heavy as 4 pounds	$36 = 9 \times 4$
45 fish is 5 times as many as 9 fish	$45 = 5 \times 9$

6 is 3 times as many as 2   
 $6 = 3 \times 2$
Think “6 is the same as 3 sets of 2.”

6 is 2 times as many as 3  
 $6 = 2 \times 3$
Think “6 is the same as 2 sets of 3.”

Fill in the blank using the equation $3 \times 9 = 27$

27 is 3 times as many as 9

And is 9 times as many as 3