LESSON MAKER PRO

Times As Many

Read and write multiplication comparisons.

GRADE 4 · 4.OA.A.1

CCSS.Math.Content.4.OA.A.1 "Interpret a multiplication equation as a comparison, e.g., interpret 35 = 5 × 7 as a statement that 35 is 5 times as many as 7 and 7 times as many as 5..."

NAME _____ DATE _____

COMPARE WITH MULTIPLICATION

Multiplication can show how one amount compares to another amount. In a multiplication equation, the product is the first factor times as many as the second factor. Because factors can switch places, the product can also be described as the second factor times as many as the first factor.

WORKED EXAMPLE

Interpret 36 = 9 x 4 as a comparison.

1. Find the factors: 9 and 4.
2. 36 is 9 times as many as 4.
3. 36 is also 4 times as many as 9.

Answer: 36 is 9 times as many as 4, and 36 is 4 times as many as 9.

PRACTICE 6 problems

1 Complete: 42 = 7 x 6 means 42 is ___ times as many as 6.

ANSWER _____

2 Complete: 55 is 5 times as many as ___.

ANSWER _____

3 Write a multiplication equation for: 40 is 5 times as many as 8.

ANSWER _____

4 In 10 x 12 = 120, 120 is how many times as many as 12?

ANSWER _____

5 Write a multiplication equation for: 77 is 11 times as many as 7.

ANSWER _____

6 Complete: 96 = 12 x 8 means 96 is ___ times as many as 12.

ANSWER _____

APPLY IT Show your work

1 Rina collects 5 digital stickers after a reading challenge. Her friend Malik collects 3 times as many stickers. How many stickers does Malik collect? Write an equation.

WORK SPACE

ANSWER _____

2 At a gaming club, one team earns 12 points in a round. Another team earns 7 times as many points. How many points does the second team earn? Write an equation.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Jalen says, "56 is 8 times as many as 7." Priya says, "7 is 8 times as many as 56." Who is correct? Write an equation and explain how it proves your choice.

WORK SPACE AND ANSWER

ANSWER KEY

Times As Many

GRADE 4 · 4.OA.A.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Complete: 42 = 7 x 6 means 42 is ___ times as many as 6.	**7**
2	Complete: 55 is 5 times as many as ___.	**11**
3	Write a multiplication equation for: 40 is 5 times as many as 8.	**40 = 5 x 8**
4	In 10 x 12 = 120, 120 is how many times as many as 12?	**10**
5	Write a multiplication equation for: 77 is 11 times as many as 7.	**77 = 11 x 7**
6	Complete: 96 = 12 x 8 means 96 is ___ times as many as 12.	**8**

PART 2 · APPLY IT

1. **15 stickers; 15 = 3 x 5** Multiply 3 by 5 to get 15. The equation is 15 = 3 x 5.
2. **84 points; 84 = 7 x 12** Multiply 7 by 12 to get 84. The equation is 84 = 7 x 12.

CHALLENGE

Jalen is correct. 56 = 8 x 7, so 56 is 8 times as many as 7. Priya's statement would mean 7 = 8 x 56, which is false.

Accept equivalent equations with the factors reversed, such as 40 = 8 x 5. Accept comparison sentences that correctly state either order of the factors for the same product.