LESSON MAKER PRO

Times as Many

Use multiplication and division to compare amounts.

GRADE 4 · 4.NR.2.2

4.NR.2.2 "Interpret, model, and solve problems involving multiplicative comparison."

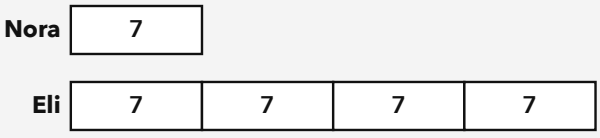
NAME _____ DATE _____

COMPARE WITH TIMES

When one amount is a certain number of times as many as another amount, multiply to find the larger amount. Divide to find the smaller amount or to find how many times as many one amount is.

WORKED EXAMPLE

Nora has 7 pencils. Eli has 4 times as many pencils as Nora. How many pencils does Eli have?



1. Each equal bar part stands for Nora's 7 pencils.
2. Eli's bar has 4 equal parts: 4 × 7 = 28.

Answer: Eli has 28 pencils.

PRACTICE 6 problems

1 Write a multiplication equation. Mia has 5 shells. Owen has 3 times as many shells as Mia. How many shells does Owen have?

ANSWER _____

2 A poster has 24 stars. A bookmark has 8 stars. The poster has how many times as many stars as the bookmark?

ANSWER _____

3 Leo has 9 blue beads. He has 2 times as many red beads as blue beads. How many red beads does Leo have?

ANSWER _____

4 A playroom has 36 blocks. This is 6 times the number of blocks in the reading nook. How many blocks are in the reading nook?

ANSWER _____

5 A channel has 45 followers. The channel has 5 times as many followers as another channel. How many followers does the other channel have?

ANSWER _____

6 There are 12 green flags. There are 2 times as many green flags as yellow flags. How many yellow flags are there?

ANSWER _____

APPLY IT Show your work

1 In a video game, Jada earned 8 points in the first round. In the second round, she earned 5 times as many points. How many points did Jada earn in the second round? Draw aligned comparison bars. Label what one part represents and write an equation.

2 At a school book drive, Priya collected 9 books on Saturday. On Sunday, the book drive collected 6 times as many books as Priya collected on Saturday. How many books were collected on Sunday?

WORK SPACE

ANSWER

CHALLENGE One step up

Ava has 6 packs of trading cards. Each pack has 8 cards. Malik has 3 times as many cards as Ava. How many cards does Malik have?

WORK SPACE AND ANSWER

ANSWER KEY

Times as Many

GRADE 4 · 4.NR.2.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write a multiplication equation. Mia has 5 shells. Owen has 3 times as many shells as Mia. How many shells does Owen have?	**5 × 3 = 15; Owen has 15 shells.**
2	A poster has 24 stars. A bookmark has 8 stars. The poster has how many times as many stars as the bookmark?	**3 times as many**
3	Leo has 9 blue beads. He has 2 times as many red beads as blue beads. How many red beads does Leo have?	**18 red beads**
4	A playroom has 36 blocks. This is 6 times the number of blocks in the reading nook. How many blocks are in the reading nook?	**6 blocks**
5	A channel has 45 followers. The channel has 5 times as many followers as another channel. How many followers does the other channel have?	**9 followers**
6	There are 12 green flags. There are 2 times as many green flags as yellow flags. How many yellow flags are there?	**6 yellow flags**

PART 2 · APPLY IT

1. **40 points; one part is 8 points, with 1 part for round 1 and 5 equal parts for round 2; 5 × 8 = 40.** Compare one part with five copies of that same part. A diagram must show the five-to-one relationship, not only two bars of arbitrary lengths.
2. **54 books** Multiply 9 by 6. The book drive collected 54 books on Sunday.

CHALLENGE

144 cards

Accept multiplication equations with the factors in either order. For comparison questions, accept answers that include the correct number and the words "times as many" when the question asks for the comparison.