LESSON MAKER PRO

Times as Many

Draw a tape diagram and write an equation with ___ for each problem.

GRADE 4 · 4.OA.A.2

4.OA.A.2 "Solve word problems involving multiplicative comparison using drawings and write equations to represent the problem, using a symbol for the unknown number."

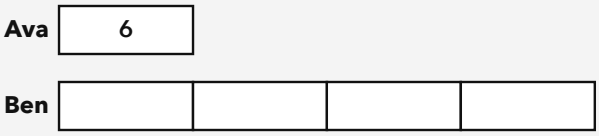
NAME _____ DATE _____

COMPARE EQUAL PARTS

A tape diagram uses equal parts to show "times as many." Multiply to find the larger amount, or divide to find the amount in one part.

WORKED EXAMPLE

Ava has 6 stamps. Ben has 4 times as many. How many stamps does Ben have?



1. Ava's tape has one part worth 6 stamps.
2. Ben's tape has four equal parts.
3. ___ = 4 × 6 = 24

Answer: Ben has 24 stamps.

PRACTICE 4 problems

1 Leo has 8 beads. Mira has 2 times as many. How many beads does Mira have?

ANSWER _____

2 Rae has 27 shells, 9 times as many as Max. How many shells does Max have?

ANSWER _____

3 One game costs 11 tickets. Another costs 7 times as many. How many tickets does the second game cost?

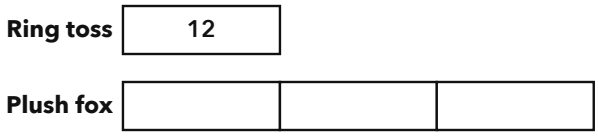
ANSWER _____

4 An ant walks 56 cm, 8 times as far as a beetle. How far does the beetle walk?

ANSWER _____

APPLY IT Show your work

1 At a school fair, a ring toss prize costs 12 tickets. A plush fox costs 3 times as many tickets. How many tickets does the fox cost?



ANSWER _____

2 On a reading app, Noor earns 63 points. That is 7 times as many points as Kai earns. How many points does Kai earn?

WORK SPACE

ANSWER _____

CHALLENGE One step up

At an arcade, a puzzle game costs 9 tokens. A racing game costs 8 times as many tokens. How many tokens do both games cost together?

WORK SPACE AND ANSWER

ANSWER KEY

Times as Many

GRADE 4 · 4.OA.A.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Leo has 8 beads. Mira has 2 times as many. How many beads does Mira have?	**___ = 2 × 8 = 16 beads**
2	Rae has 27 shells, 9 times as many as Max. How many shells does Max have?	**9 × ___ = 27; Max has 3 shells.**
3	One game costs 11 tickets. Another costs 7 times as many. How many tickets does the second game cost?	**___ = 7 × 11 = 77 tickets**
4	An ant walks 56 cm, 8 times as far as a beetle. How far does the beetle walk?	**8 × ___ = 56; the beetle walks 7 cm.**

PART 2 · APPLY IT

1. **36 tickets** The fox costs as much as three parts of 12 tickets. ___ = 3 × 12 = 36.
2. **9 points** Seven equal parts total 63 points. 7 × ___ = 63, so Kai earns 9 points.

CHALLENGE

___ = 8 × 9 = 72 tokens for the racing game; 72 + 9 = 81 tokens together.

Accept tape diagrams with the correct number of equal parts and equivalent equations using ___. For the challenge, students must add the cost of both games.