LESSON MAKER PRO

Rates in Action

Find a unit rate, then build a table.

GRADE 6 · 6.PFA.2.d

6.PFA.2.d "When given a contextual situation representing a proportional relationship, find the unit rate and create a table of values or a graph."

NAME _____ DATE _____

THE BIG IDEA

Divide the total by the number of units to find the amount for one unit. Multiply that unit rate by each new input to fill a table. A graph of a proportional relationship passes through (0, 0).

WORKED EXAMPLE

Sticker packs cost the same amount each. Use the table to find the cost per pack and fill the blanks.

STICKER PACKS

Packs	Cost
5	$15
10	?
20	?

1. $15 / 5 = $3 per pack
2. 10 × $3 = $30
3. 20 × $3 = $60

Answer: $3 per pack; 10 packs cost $30, and 20 packs cost $60.

PRACTICE 4 problems

1 4 movie tickets cost $36. Find the cost per ticket. Make a table for 2 and 7 tickets.

ANSWER _____

2 6 enamel pins cost $24. Find the cost per pin. Make a table for 3 and 9 pins.

ANSWER _____

3 8 comic issues cost $32. Find the cost per issue. Make a table for 2 and 6 issues.

ANSWER _____

4 3 game rentals cost $21. Find the cost per rental. Make a table for 4 and 8 rentals.

ANSWER _____

APPLY IT Show your work

1 An arcade gives the same number of tickets each round. Use the table to find tickets per round and fill the blanks.

ARCADE TICKETS

Rounds	Tickets
6	42
2	?
9	?

ANSWER _____

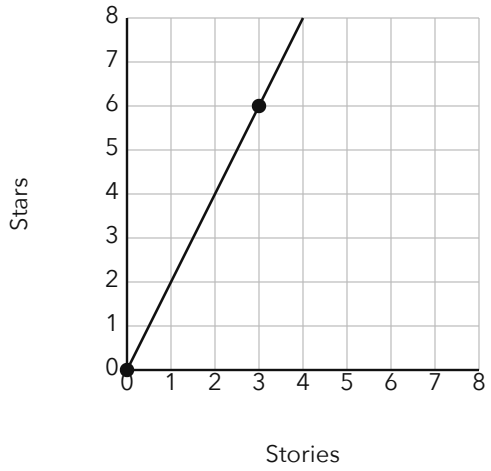
2 A video file uses 48 MB for 12 seconds of footage at a steady rate. Find MB per second. Make a table for 3 and 7 seconds.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A reading app awards stars for each story. Use the graph to find stars per story. Make a table for 2 and 4 stories. Explain how you know the rate.



WORK SPACE AND ANSWER

ANSWER KEY

Rates in Action

GRADE 6 · 6.PFA.2.d

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	4 movie tickets cost $36. Find the cost per ticket. Make a table for 2 and 7 tickets.	**$9 per ticket; 2 tickets: $18, 7 tickets: $63.**
2	6 enamel pins cost $24. Find the cost per pin. Make a table for 3 and 9 pins.	**$4 per pin; 3 pins: $12, 9 pins: $36.**
3	8 comic issues cost $32. Find the cost per issue. Make a table for 2 and 6 issues.	**$4 per issue; 2 issues: $8, 6 issues: $24.**
4	3 game rentals cost $21. Find the cost per rental. Make a table for 4 and 8 rentals.	**$7 per rental; 4 rentals: $28, 8 rentals: $56.**

PART 2 · APPLY IT

1. **7 tickets per round; 2 rounds: 14 tickets, 9 rounds: 63 tickets.** Divide 42 by 6 to get 7 tickets per round. Multiply 2 and 9 by 7.
2. **4 MB per second; 3 seconds: 12 MB, 7 seconds: 28 MB.** Divide 48 by 12 to get 4 MB per second. Multiply 3 and 7 by 4.

CHALLENGE

2 stars per story; 2 stories: 4 stars, 4 stories: 8 stars. The graph shows 6 stars for 3 stories, and 6 / 3 = 2.

Accept tables with the input and output columns reversed. Accept equivalent explanations that use the graph's rise of 2 stars for each additional story.