LESSON MAKER PRO

Rates in Real Life

Find how much there is for each one.

GRADE 6 · 6.AT.A.2.a

6.AT.A.2.a "Use unit rate language in the context of a ratio relationship (e.g., "The recipe has a ratio of 3 cups of flour to 4 cups of sugar so there is 3/4 cup of flour for each cup of sugar.")"

NAME _____ DATE _____

FIND THE UNIT RATE

A unit rate tells you how much of one quantity there is for each 1 of another quantity. Divide the first quantity by the second, then name both units in your answer.

WORKED EXAMPLE

A student reads 7 pages in 10 minutes. How many pages does the student read for each minute?

1. Start with 7 pages for 10 minutes.
2. Divide pages by minutes: 7 ÷ 10 = 7/10.
3. Name the units: 7/10 page for each minute.

Answer: The student reads 7/10 page for each minute.

PRACTICE 6 problems

1 A painter uses 3 liters of paint to cover 4 square meters. How many liters of paint are used for each square meter? Write a sentence.

ANSWER _____

2 A snack maker puts 9 cups of trail mix equally into 2 bags. How many cups are in each bag? Write a sentence.

ANSWER _____

3 A cyclist rides 6 miles in 1 hour. How many miles does the cyclist ride for each hour? Write a sentence.

ANSWER _____

4 A recipe uses 2 cups of flour for 3 cups of milk. How many cups of flour are used for each cup of milk? Write a sentence.

ANSWER _____

5 A photo album holds 12 photos on 4 pages, with the same number on each page. How many photos are on each page? Write a sentence.

ANSWER _____

6 Streaming 4 hours of video uses 9 GB of data. How many GB of data are used for each hour? Write a sentence.

ANSWER _____

APPLY IT Show your work

1 A gaming team earns 15 points in 6 matches. If it earns points at the same rate, how many points does it earn for each match? Write a sentence using "for each."

WORK SPACE

ANSWER _____

2 A playlist uses 16 MB of storage for 12 minutes of music. At the same rate, how many MB are used for each minute? Write a sentence using "for each."

WORK SPACE

ANSWER _____

CHALLENGE One step up

Maya packs 8 snacks equally into 3 bags. Leo packs 11 snacks equally into 4 bags. Who packs more snacks in each bag? Give both unit rates and explain how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Rates in Real Life

GRADE 6 · 6.AT.A.2.a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A painter uses 3 liters of paint to cover 4 square meters. How many liters of paint are used for each square meter? Write a sentence.	**The painter uses 3/4 liter of paint for each square meter.**
2	A snack maker puts 9 cups of trail mix equally into 2 bags. How many cups are in each bag? Write a sentence.	**There are 9/2 cups of trail mix in each bag.**
3	A cyclist rides 6 miles in 1 hour. How many miles does the cyclist ride for each hour? Write a sentence.	**The cyclist rides 6 miles for each hour.**
4	A recipe uses 2 cups of flour for 3 cups of milk. How many cups of flour are used for each cup of milk? Write a sentence.	**The recipe uses 2/3 cup of flour for each cup of milk.**
5	A photo album holds 12 photos on 4 pages, with the same number on each page. How many photos are on each page? Write a sentence.	**There are 3 photos on each page.**
6	Streaming 4 hours of video uses 9 GB of data. How many GB of data are used for each hour? Write a sentence.	**Streaming uses 9/4 GB of data for each hour.**

PART 2 · APPLY IT

1. **The team earns 5/2 points for each match.** Divide 15 points by 6 matches. Simplify 15/6 to 5/2 points per match.
2. **The playlist uses 4/3 MB for each minute.** Divide 16 MB by 12 minutes. Simplify 16/12 to 4/3 MB per minute.

CHALLENGE

Maya packs 8/3 snacks per bag, and Leo packs 11/4 snacks per bag. Leo packs more because 8/3 = 32/12 and 11/4 = 33/12.

Accept equivalent fractions or mixed numbers. Student responses should name both quantities so the unit rate is clear.