LESSON MAKER PRO

Rate Ready

Find the amount for one unit.

GRADE 6 · 6.NR.4.5

6.NR.4.5 "Solve unit rate problems including those involving unit pricing and constant speed."

NAME _____ DATE _____

FIND THE UNIT RATE

A unit rate tells how much there is for 1 unit. Divide the total amount by the number of units, then name the rate with its units.

WORKED EXAMPLE

A scooter travels 84 miles in 2 hours. What is its unit rate?

1. Divide miles by hours: 84 / 2.
2. 84 / 2 = 42.
3. The unit rate is 42 miles per hour.

Answer: 42 miles per hour

PRACTICE 6 problems

1 72 stickers are shared equally among 8 packs. How many stickers are in each pack?

ANSWER _____

2 5 notebooks cost $35. What is the unit price?

ANSWER _____

3 A car travels 96 miles in 4 hours. What is its unit rate?

ANSWER _____

4 20 cups of lemonade fill 5 pitchers equally. How many cups are in each pitcher?

ANSWER _____

5 A 12-ounce box of cereal costs $6. What is the cost per ounce?

ANSWER _____

6 A reader finishes 45 pages in 9 minutes. What is the unit rate?

ANSWER _____

APPLY IT Show your work

1 A music app costs $28 for 4 months. At the same rate, how much would 7 months cost?

WORK SPACE

ANSWER _____

2 A cyclist rides 56 miles in 7 hours. At the same speed, how far will the cyclist ride in 9 hours?

WORK SPACE

ANSWER _____

CHALLENGE One step up

The art club needs 18 paintbrushes. Store A sells packs of 5 brushes for $10. Store B sells packs of 7 brushes for $14. Each store sells only full packs. Which store should the club choose, and what will it cost?

WORK SPACE AND ANSWER

ANSWER KEY # Rate Ready

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	72 stickers are shared equally among 8 packs. How many stickers are in each pack?	**9 stickers per pack**
2	5 notebooks cost $35. What is the unit price?	**$7 per notebook**
3	A car travels 96 miles in 4 hours. What is its unit rate?	**24 miles per hour**
4	20 cups of lemonade fill 5 pitchers equally. How many cups are in each pitcher?	**4 cups per pitcher**
5	A 12-ounce box of cereal costs $6. What is the cost per ounce?	**$0.50 per ounce**
6	A reader finishes 45 pages in 9 minutes. What is the unit rate?	**5 pages per minute**

PART 2 · APPLY IT

1. **$49** Divide $28 by 4 to find a cost of $7 per month. Multiply $7 by 7 months.
2. **72 miles** Divide 56 by 7 to find a speed of 8 miles per hour. Multiply 8 by 9 hours.

CHALLENGE

Store A, $40.

Accept equivalent unit-price forms, such as $0.50 per ounce or 1/2 dollar per ounce. For the challenge, students must account for buying only whole packs.