



Unit rates

GRADE 6 MATH

Name _____

Date _____

Work through the sheet in order — it ramps from quick calculations to reasoning. Show your thinking; final answers go in the boxes. One skill: **unit rates**.

WORKED EXAMPLE

4 muffins cost \$6.00. Cost of one muffin = $\$6.00 \div 4 = \mathbf{\$1.50}$ per muffin. (A unit rate is the amount for exactly **one**.)

1. 2 pounds of rice cost \$3.00. What is the cost per pound?

FLUENCY

Show your thinking

Answer

2. 6 oranges cost \$2.40. What is the cost of one orange?

FLUENCY

Show your thinking

Answer

3. A student types 150 words in 5 minutes. What is the rate in **words per minute**?

APPLICATION

Show your thinking

Answer

4. 8 concert tickets cost \$52.00. What is the price of one ticket?

APPLICATION

Show your thinking

Answer

5. Apples cost \$5.55 for 3 pounds. Find the cost per pound, then the cost of 5 pounds.

APPLICATION

Show your thinking

Answer

6. A train travels 240 miles in 4 hours at a steady speed. Find miles per hour, then how far it travels in 7 hours.

APPLICATION

Show your thinking

Answer

7. A pack of 12 cans costs \$9.60. Find the cost per can, then how many cans you can buy with \$12.00.

REASONING

Show your thinking

Answer

8. Brand A: 5 granola bars for \$4.00. Brand B: 8 granola bars for \$6.00. Which is the better buy per bar? Show your work.

REASONING

Show your thinking

Answer

9. A cookie recipe uses 2 cups of flour for every 3 cookies. How many cups of flour are needed for 12 cookies? Explain your reasoning.

REASONING

Show your thinking

Answer