

Lesson 3-8

Reinforce Understanding

Solve Problems with Unit Rates

I can solve real-world problems by using unit rates to compare options.

Worked model

Fun Supply Co. sells 500 tokens for \$60. I want the cost for 1 token.

1. I divide the price by the tokens: $\$60 \div 500 = \0.12 .
2. So this deal is \$0.12 per token. That is the unit rate.
3. Now I can compare it fairly to a deal with a different number of tokens.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Find the unit rate for each deal to determine which is cheaper.

Complete the table. Show how you found each value.

Item	Deal	Unit Rate
Erasers Pack A	12 for \$3.60	\$0.30 each
Erasers Pack B	8 for \$2.80	
Erasers Pack C	20 for \$5.00	

Show your work

2. Which is the better buy: 6 bouncy balls for \$4.50 or 10 bouncy balls for \$8.00?

Circle the letter of the best answer. Show how you know.

- A. 10 for \$8.00 — \$0.80 each
- B. They cost the same per ball
- C. Not enough information
- D. 6 for \$4.50 — \$0.75 each

Show your work

3. A faucet drips 15 ounces of water in 5 minutes. What is the unit rate?

Circle the letter of the best answer. Show how you know.

- A. 0.33 ounces per minute
- B. 3 ounces per minute
- C. 5 ounces per minute
- D. 15 ounces per minute