

Unit Rates: Better Buy and Multi-Step

Compare unit rates to decide. Then use unit rates to solve multi-step problems.

Example: A: 4 for \$6.00 → \$1.50 each. B: 6 for \$8.40 → \$1.40 each. **B is the better buy.**

A Which Is the Better Buy? find each unit price

1. A: 8 oz of cereal for \$2.40 or B: 12 oz of cereal for \$3.00

Answer: _____

2. A: 5 pens for \$3.50 or B: 8 pens for \$6.00

Answer: _____

3. A: 3 lb of grapes for \$5.97 or B: 2 lb of grapes for \$4.20

Answer: _____

B Multi-Step Problems

4. Ava types 150 words in 3 minutes. How long will it take her to type a 1,200-word essay?

Answer: _____

5. A pump fills 45 gallons in 5 minutes. How many minutes to fill a 360-gallon tank?

Answer: _____

★ Safari Challenge

Store X sells 6 bottles of water for \$4.50. Store Y sells 10 bottles for \$7.00. You need 30 bottles. Which store, and how much do you save?

Answer Key: Unit Rates: Better Buy and Multi-Step

Compare unit rates to decide. Then use unit rates to solve multi-step problems.

Example: A: 4 for \$6.00 → \$1.50 each. B: 6 for \$8.40 → \$1.40 each. **B is the better buy.**

A Which Is the Better Buy? find each unit price

1. A: 8 oz of cereal for \$2.40 or B: 12 oz of cereal for \$3.00

Answer: **A = \$0.30 per oz, B = \$0.25 per oz. Better buy: B**

2. A: 5 pens for \$3.50 or B: 8 pens for \$6.00

Answer: **A = \$0.70 per pen, B = \$0.75 per pen. Better buy: A**

3. A: 3 lb of grapes for \$5.97 or B: 2 lb of grapes for \$4.20

Answer: **A = \$1.99 per lb, B = \$2.10 per lb. Better buy: A**

B Multi-Step Problems

4. Ava types 150 words in 3 minutes. How long will it take her to type a 1,200-word essay?

Answer: **50 words per min; $1,200 \div 50 =$**

24 minutes

5. A pump fills 45 gallons in 5 minutes. How many minutes to fill a 360-gallon tank?

Answer: **9 gal per min; $360 \div 9 = 40$**

minutes

★ Safari Challenge

Store X sells 6 bottles of water for \$4.50. Store Y sells 10 bottles for \$7.00. You need 30 bottles. Which store, and how much do you save?

X: \$0.75 each → \$22.50. Y: \$0.70 each → \$21.00. Store Y saves \$1.50.