

6.RP.2 Study Guide

1.  **Use pencil and paper to answer the question.**

A 24-lb bag of dog food costs \$31.44.

A 16-lb bag costs \$21.76. Which bag is the better buy?

a. The _____-lb bag of dog food is the better buy.

b. Explain how you determined which bag is the better buy.

Enter the appropriate value to answer the question or solve the problem.

2. Express the rate as a per-unit rate.

\$49.50 in 6 hours

\$ _____ /hour

3. Express the rate as a per-unit rate.

70 miles in 4 hours

_____ miles/hour

4. Express the rate as a per-unit rate.

\$96.75 in 9 hours

\$ _____ /hour

5.  **Use pencil and paper to answer the question.**

A 12-lb bag of dog food costs \$15.12.

A 20-lb bag costs \$24.32. Which bag is the better buy?

a. The _____-lb bag of dog food is the better buy.

b. Explain how you determined which bag is the better buy.

Name: _____ Class: _____ Date: _____

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Answer Key

1. **a.** 24

b. Sample answer: I divided \$31.44 by 24 pounds to get \$1.31 per pound. I divided \$21.76 by 16 pounds to get \$1.36 per pound. I concluded that the 24-pound bag costs less per pound.

2. 8.25

3. 17.5

4. 10.75

5. **a.** 20

b. Sample answer: I divided \$15.12 by 12 pounds to get \$1.26 per pound. I divided \$24.32 by 20 pounds to get \$1.216 per pound. I concluded that the 20-pound bag costs less per pound.