

Lesson 4-1 • Apply Day

Reinforce Understanding

Percents Greater Than 100%

I can explain a percent as a rate per 100, model it on a decimal grid or tape diagram, and interpret percents greater than 100%.

Worked model

A puppy weighs 2.5 times as much as a kitten. What percent of the kitten's weight is the puppy?

1. The kitten's weight is the whole, so it stands for one hundred percent.
2. Break 2.5 into pieces: 2 wholes plus one half of a whole.
3. Each whole is one hundred percent; the half is fifty percent.
4. Add the pieces: two hundred percent plus fifty percent.

Answer: The puppy weighs 250% of the kitten's weight.

Practice

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

1. (Lesson 3.2) 3 items cost \$6.75. Find the new unit rate per item.

Complete each step, then write the final answer.

1. Divide cost by quantity: $6.75 \div 3 = \underline{\hspace{1cm}}$.
2. Write the rate for 1 item: \$ $\underline{\hspace{1cm}}$.

Answer: $\underline{\hspace{3cm}}$

2. (Lesson 3.2) 4 items cost \$10.6. Find the new unit rate per item.

Complete each step, then write the final answer.

1. Divide cost by quantity: $10.6 \div 4 = \underline{\hspace{1cm}}$.
2. Write the rate for 1 item: \$ $\underline{\hspace{1cm}}$.

Answer: $\underline{\hspace{3cm}}$

3. (Lesson 3.2) 5 items cost \$15.25. Find the new unit rate per item.

Complete each step, then write the final answer.

1. Divide cost by quantity: $15.25 \div 5 = \underline{\hspace{1cm}}$.
2. Write the rate for 1 item: \$ $\underline{\hspace{1cm}}$.

Answer: $\underline{\hspace{3cm}}$