

Unit Rates

1. Find each unit rate.

a) 420 miles in 7 hours

b) 360 customers in 30 days

c) 40 meters in 16 seconds

d) \$7.96 for 5 pounds

2. Value-Mart is advertising a Back-to-School sale on pencils. A pack of 30 sells for \$7.97, whereas a 12-pack of the same brand costs \$4.77. Which is the better buy? How do you know?

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1. Find each unit rate.

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60 miles per hour

b) 360 customers in 30 days

12 customers per day

c) 40 meters in 16 seconds

$\frac{40}{16}$ or *2.5 meters per second*

d) \$7.96 for 5 pounds

$\frac{7.96}{5}$, or *approximately 1.59 dollars per pound*

2. Value-Mart is advertising a Back-to-School sale on pencils. A pack of 30 sells for \$7.97, whereas a 12-pack of the same brand costs \$4.77. Which is the better buy? How do you know?

The better buy is the pack of 30.

The pack of 30 has a smaller unit rate, $\frac{7.97}{30} =$ approximately 0.27. The pack of 12 with a unit price of $\frac{4.77}{12} =$ approximately 0.40.

You would pay \$0.27 per pencil in the pack of 30, whereas you would pay \$0.40 per pencil in the pack of 12.

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