Proportion Study Guide

1. During a trip, a car traveled 249.2 miles in 4 hours. How many miles per hour did the car travel?

2. Two drinks are on sale at a store. Drink A costs $2.72 for 16 ounces. Drink B costs $3.36 for 24 ounces. Determine the unit rates, and find which drink costs less per ounce.

3. What is the value of n?

$$\frac{48}{64} = \frac{15}{n}$$

4. Determine whether the following ratios are proportional:

$$\frac{15}{17} \text{ and } \frac{90}{102}$$

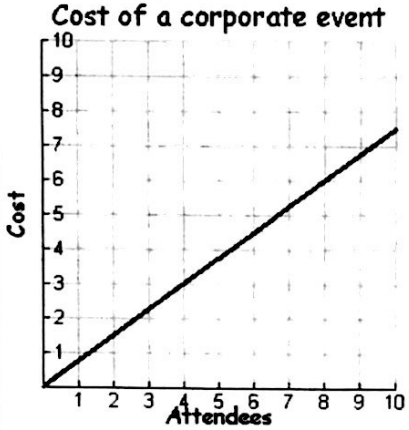
a. no b. yes

5. A worker at a tire shop can install 4 new tires in 1.3 hours. At this rate how long would it take the worker to install 72 new tires?

6. Terry paid $8.75 for 5 pounds of pears. At this rate how many pounds of pears could she buy with $61.25?

grapes in a 7:4 ratio. If 36 ounces of grapes were used, how many ounces of almonds were used?

What does it represent?



A. The constant of proportionality is 1.33. This means it will cost $1.33 for one attendee.
B. The constant of proportionality is 1.33. This means it will cost $1.33 for 3 attendees.
C. The constant of proportionality is 0.75. This means it will cost $0.75 for one attendee.
D. The constant of proportionality is 0.75. This means it will cost $0.75 for 4 attendees.

9. Fill in the following table and identify the constant of proportionality.

Minutes	Words Typed
12	48
6	
3	
1	

Constant of Proportionality = _____

10. The following chart shows the pay a babysitter made for different hours of work. Does the babysitter's pay represent a proportional relationship?

Number of hours	Pay
0	$0
2	$15
3	$22.50
11	$82.50

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