

PLEASE WRITE AND LABEL ALL ANSWERS ACCORDINGLY.

1. Write the following as a unit rate. Don't forget to label accordingly!

\$48 for 12 pairs of socks

2. Write the following as a unit rate. Don't forget to label accordingly!

150 people for 30 vans

3. A car travels 308 miles on 11 gallons of gas.
How many miles can the car travel on 1 gallon of gas?

4. Buzz earned \$968 in 8 hours.
What is the rate he earns per hour?

5. Is $\frac{150 \text{ miles}}{5 \text{ hours}}$ an example of a *unit rate*? (Yes or No)

6. Write the following as a *unit rate*:

7560 revolutions for every 18 miles

7. Write the following as a unit rate:

Traveling 242 miles on 11 gallons of gas

8. Write the following as a unit rate:

850 books for 17 libraries

Name _____

9. Write the following as a unit rate: _____
243 kilometers in 4.5 hours

10. Express speed (S) in terms of distance (D) and time (T). _____

11. What is the speed of a car that _____
travels 720 miles in 12 hours?

12. What is the *distance* a car travels if it travels _____
at 4 kilometers per hour for 9 hours.

13. What is the *time* required for a car to travel _____
96 kilometers at a speed of 6 kilometers per hour.

14. You go shopping at two stores for your juice bar. You have two options:
167 mangos for \$417.50 at Tops or 272 mangos for \$625.60 at Wegmans

a. What is the cost of a single mango at Tops? _____

b. What is the cost of a single mango at Wegmans? _____

c. Which is the best place to buy mangos, _____
assuming you want the best price per item?