

Lesson 7 ~ Problem-Solving With Proportions

Name _____ Period _____ Date _____

Solve each proportion.

1. $\frac{7}{9} = \frac{x}{63}$

2. $\frac{10}{25} = \frac{y}{20}$

Solve each problem using a proportion. The answers are listed at the bottom of the page out of order without units. Cross out each answer once you find it.

- 3. A bicyclist rides 18 miles in 2 hours. How far will the bicyclist ride at this speed in 5 hours?
- 4. Four posters cost \$19.20. How many posters can you buy for \$48.00?
- 5. You paid \$28.00 for 8 gallons of gasoline. How much would you pay for 15 gallons of gasoline?
- 6. Tabitha walked 13.5 miles in three hours. At that speed, how many miles will she walk in seven hours?
- 7. Luis found a new text messaging plan which will charge him \$2.00 for 80 messages. Using this plan, how much would he pay for 900 text messages in one month?
- 8. A truck driver travels 93 miles in 1 hour and 30 minutes. At this rate, how far will he travel in 4 hours?
- 9. Mark walked 21,129 feet in one hour. At that speed, about how many miles will he walk in two hours?
- 10. A 12 ounce soda costs \$1.25 in the vending machine. At that rate, how much would a 32 ounce soda cost?

Answers: 31.5 10 248 8 22.50 45 3.33 52.50