

Practice

6.3

Name _____

In Exercises 1–3, decide whether the statement is true.

1. $\frac{3}{5} \stackrel{?}{=} \frac{15}{25}$

2. $\frac{18}{36} \stackrel{?}{=} \frac{2}{1}$

3. $\frac{24}{36} \stackrel{?}{=} \frac{16}{24}$

In Exercises 4–7, write the description as a proportion. Then solve the proportion.

4. e is to 8 as 4 is to 16.5. y is to 20 as 18 is to 72.6. 75 is to 1.5 as w is to 5.7. 80 is to 5 as t is to 3.

In Exercises 8–13, solve the proportion.

8. $\frac{3}{5} = \frac{y}{20}$

9. $\frac{x}{9} = \frac{28}{18}$

10. $\frac{t}{4} = \frac{25}{2}$

11. $\frac{k}{40} = \frac{12}{48}$

12. $\frac{7}{28} = \frac{q}{8}$

13. $\frac{36}{4} = \frac{z}{9}$

14. A car uses 20 gallons of gasoline for a trip of 360 miles. How many gallons of gasoline would be use on a trip of 468 miles?

15. A pump can fill a 750 gallon tank in 90 minutes. How many hours will take the same pump to fill a 1000 gallon tank?

