English Spanish

3 Chapter Test

Check It Out
Test Practice
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Write the ratio as a fraction in simplest form.

1. 34 cars : 26 trucks

2. 3 feet to 9 feet

Find the unit rate.

3. 84 miles in 12 days

4. $3.20 for 8 ounces

Graph the line that passes through the two points. Then find the slope of the line.

5. (15, 9), (−5, −3)

6. (2, 9), (4, 18)

Tell whether the ratios form a proportion.

7. $\frac{1}{9}, \frac{6}{54}$

8. $\frac{9}{12}, \frac{8}{72}$

Use the table to write a proportion.

9.

	Monday	Tuesday
Gallons	6	8
Miles	180	m

10.

	Thursday	Friday
Classes	6	c
Hours	8	4

Solve the proportion.

11. $\frac{x}{8} = \frac{9}{4}$

12. $\frac{17}{3} = \frac{y}{6}$

Copy and complete the statement. Round to the nearest hundredth, if necessary.

13. 5 L ≈ ____ qt

14. 56 lb ≈ ____ kg

Tell whether x and y show *direct variation*, *inverse variation*, or *neither*. Explain your reasoning.

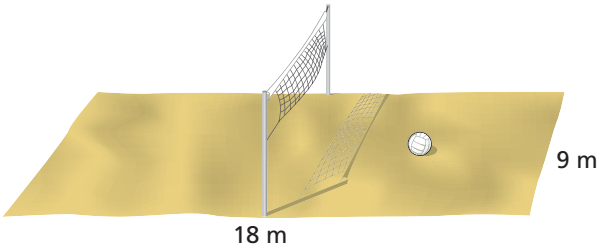
15. $xy - 11 = 5$

16. $x = \frac{3}{y}$

17. $\frac{y}{x} = 8$

18. MOVIE TICKETS Five movie tickets cost $36.25. What is the cost of eight movie tickets?

19. VOLLEYBALL COURT Find the dimensions of the volleyball court in feet.



20. GLAZE A specific shade of green glaze requires 5 parts blue to 3 parts yellow. A glaze mixture contains 25 quarts of blue and 9 quarts of yellow. How can you fix the mixture to make the specific shade of green glaze?