Nar	ne		_ Date	Class	
CHA	PTER At-Home Pra	ctice			
Sin	nplify each ratio.		•		
1.	$\frac{6}{8}$	2. $\frac{12}{9}$	3.	<u>20</u> 30	
Sin	nplify to tell whether the	ratios are equal.			
4.	$\frac{12}{15}$ and $\frac{28}{35}$	5. $\frac{12}{30}$ and $\frac{30}{75}$	6.	$\frac{45}{63}$ and $\frac{36}{96}$	
Det	ermine the lower unit pr	ice.			
7.	6 cans of soup for \$3.39 or 4 cans of soup for \$2.29	 28-oz bottle of juice for \$2.29 or 64-oz bottle of juice for \$5.59 			
Fin	d the appropriate factor	for each conversio	on.		
9.	It took Sam 40 seconds to run the 160 yards from his house to Steve's house. Find Sam's average speed in yards per second. Use dimensional analysis to check the reasonableness of your answer.				
10.	A truck traveled 550 ft down a road in 11 seconds. How many miles per hour was the truck traveling?				

Tell whether each pair of ratios is proportional.					
11. $\frac{15}{24}$ and $\frac{5}{8}$	12. $\frac{9}{7}$ and $\frac{11}{19}$	13. $\frac{14}{16}$ and $\frac{35}{40}$			
24 0	7 19	10 40			
Solve each proportion.					
14. $\frac{m}{9} = \frac{16}{12}$	15. $\frac{12}{7} = \frac{42}{x}$	16. $\frac{3}{5} = \frac{d}{60}$			
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Answers: 1. $\frac{3}{4}$ 2. $\frac{4}{3}$ 3. $\frac{2}{3}$ 4. The ratios are in proportion. 5. The ratios are in proportion. 6. The ratios are in proportion. 7. 6 cans for \$3.39 8. 28 oz for \$2.29 9. 4 yd/s; 8.2 mi/h is reasonable 10. 34 mi/h not in proportion. 7. 6 cans for \$3.39 8. 28 oz for \$2.45 9. 4 yd/s; 8.2 mi/h is reasonable 10. 34 mi/h and 11. yes 12. no 13. yes 14. $m = 12 \ 15. x = 24.5 \ 16. d = 36$

CHAPTER Family Fun 5 Proportional Patterns

Materials

Red and blue markers

Directions

Solve the proportions. If the last digit of the unknown value is even, color that particular area blue. If the last digit of the answer is odd, color that particular area red.



Date Class