

## Practice 6-2 Proportions

Write a proportion for each phrase. Then solve. When necessary, round to the nearest hundredth.

1. 420 ft<sup>2</sup> painted in 36 min;  $f$  ft<sup>2</sup> painted in 30 min

2. 75 points scored in 6 games;  $p$  points scored in 4 games

3. 6 apples for \$1.00; 15 apples for  $d$  dollars

Tell whether each pair of ratios forms a proportion.

4.  $\frac{4}{3}$  and  $\frac{12}{9}$

6.  $\frac{12}{8}$  and  $\frac{14}{21}$

8.  $\frac{5}{4}$  and  $\frac{6}{5}$

5.  $\frac{40}{25}$  and  $\frac{8}{5}$

7.  $\frac{15}{13}$  and  $\frac{5}{4}$

9.  $\frac{21}{49}$  and  $\frac{12}{28}$

10.  $\frac{5}{3} = \frac{x}{15}$

12.  $\frac{36}{h} = \frac{27}{21}$

14.  $\frac{15}{26} = \frac{m}{130}$

16.  $\frac{23}{t} = \frac{34}{17}$

11.  $\frac{30}{15} = \frac{34}{n}$

13.  $\frac{6}{11} = \frac{60}{f}$

15.  $\frac{f}{36} = \frac{20}{7}$

17.  $\frac{93}{77} = \frac{24}{x}$

18. At Discount Copy, 12 copies cost \$0.66. Melissa needs 56 copies. How much should they cost?

19. You estimate that you can do 12 math problems in 45 min. How long should it take you to do 20 math problems?