Name _____ Class _____ Date _____

Practice 6-2

Proportions

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

1. 420 ft^2 painted in 36 min; f ft^2 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. $\frac{3}{4}$ and $\frac{9}{12}$ _____

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

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

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

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

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

Solve each proportion. Where necessary, round to the nearest tenth.

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

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

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

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

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

15. $\frac{36}{j} = \frac{7}{20}$ _____

16. $\frac{r}{23} = \frac{17}{34}$ _____

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

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

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

_____