NAME _____ DATE _____ PERIOD _____

7-3

Practice: Skills

Solving Proportions

Determine whether each pair of ratios forms a proportion.

1. $\frac{9}{5}$ and $\frac{27}{15}$

2. $\frac{16}{10}$ and $\frac{24}{15}$

3. $\frac{6}{18}$ and $\frac{9}{25}$

4. $\frac{42}{63}$ and $\frac{28}{42}$

5. $\frac{11}{8}$ and $\frac{13}{10}$

6. $\frac{22}{33}$ and $\frac{12}{18}$

7. $\frac{14}{17}$ and $\frac{29}{35}$

8. $\frac{36}{22}$ and $\frac{30}{19}$

9. $\frac{32}{48}$ and $\frac{10}{15}$

10. $\frac{320 \text{ mi}}{6 \text{ h}}$ and $\frac{420 \text{ mi}}{8 \text{ h}}$

11. $\frac{\$4.96}{8 \text{ oz}}$ and $\frac{\$3.72}{6 \text{ oz}}$

12. $\frac{25 \text{ mg}}{1.5 \text{ c}}$ and $\frac{100 \text{ mg}}{6 \text{ c}}$

Solve each proportion.

13. $\frac{24}{13} = \frac{a}{26}$

14. $\frac{18}{x} = \frac{3}{36}$

15. $\frac{3}{u} = \frac{5}{15}$

16. $\frac{650}{6.5} = \frac{z}{5}$

17. $\frac{2.8}{4} = \frac{7}{q}$

18. $\frac{c}{17} = \frac{0.01}{8.5}$

19. $\frac{0.1}{8.2} = \frac{1.8}{b}$

20. $\frac{300}{24} = \frac{18}{j}$

21. $\frac{4.2}{t} = \frac{8}{5}$

22. $\frac{120}{75} = \frac{8}{m}$