

NAME \_\_\_\_\_ DATE \_\_\_\_\_

**Practice 84****Skills and Applications of Lesson 7-4**

Replace each ? with the number that will make the fractions equivalent.

- |                                   |                                   |                                    |
|-----------------------------------|-----------------------------------|------------------------------------|
| 1. $\frac{1}{6} = \frac{?}{18}$   | 2. $\frac{1}{9} = \frac{?}{36}$   | 3. $\frac{1}{5} = \frac{3}{?}$     |
| 4. $\frac{1}{?} = \frac{2}{16}$   | 5. $\frac{3}{7} = \frac{?}{21}$   | 6. $\frac{2}{9} = \frac{4}{?}$     |
| 7. $\frac{?}{4} = \frac{15}{20}$  | 8. $\frac{12}{7} = \frac{?}{28}$  | 9. $\frac{36}{?} = \frac{9}{4}$    |
| 10. $\frac{42}{28} = \frac{6}{?}$ | 11. $\frac{56}{64} = \frac{?}{8}$ | 12. $\frac{?}{92} = \frac{32}{23}$ |
| 13. $\frac{5}{13} = \frac{?}{52}$ | 14. $\frac{?}{20} = \frac{9}{2}$  | 15. $\frac{9}{?} = \frac{108}{84}$ |

Write each fraction in lowest terms.

- |                       |                       |                        |
|-----------------------|-----------------------|------------------------|
| 16. $\frac{5}{20}$    | 17. $\frac{14}{21}$   | 18. $\frac{9}{36}$     |
| 19. $\frac{36}{45}$   | 20. $\frac{63}{27}$   | 21. $\frac{32}{72}$    |
| 22. $\frac{35}{85}$   | 23. $\frac{180}{30}$  | 24. $\frac{186}{372}$  |
| 25. $\frac{225}{150}$ | 26. $\frac{225}{375}$ | 27. $\frac{330}{180}$  |
| 28. $\frac{396}{594}$ | 29. $\frac{315}{294}$ | 30. $\frac{247}{330}$  |
| 31. $\frac{693}{210}$ | 32. $\frac{385}{462}$ | 33. $\frac{360}{1350}$ |

34. Females make up six tenths of a committee. Write the fraction in lowest terms.
35. The varsity football team is comprised of 44 members. Seven elevenths of the members are seniors. How many seniors are on the varsity team?
36. The fraction  $\frac{a}{b}$  is equivalent to  $\frac{4}{9}$ . If  $a$  has the value of 20, find the value of  $b$ .