NAME _____ DATE _____ PERIOD ____

5-6 Practice

Least Common Multiple

Find the least common multiple (LCM) of each pair of numbers or monomials.

1. 10, 12
2. 9, 15
3. 20, 24
4. 30, 45
5. 14, 15
6. 35, 75
7. 12, 63
8. 48, 20
9. $15q$, $3q^2t$
10. 9, $18b$
11. $8y$, $10y^2$
12. $20p$, $100p^2$

Find the least common denominator (LCD) of each pair of fractions.

13. $\frac{1}{2}, \frac{2}{3}$
14. $\frac{9}{14}, \frac{3}{7}$
15. $\frac{5}{12}, \frac{8}{15}$
16. $\frac{13}{18}, \frac{6}{45}$
17. $\frac{5}{32}, \frac{17}{24}$
18. $\frac{1}{x}, \frac{3}{xy}$
19. $\frac{3}{8m}, \frac{1}{4mn^2}$
20. $\frac{12}{25ab}, \frac{3}{100b^2}$

Replace each ▫ with <, >, or = to make a true sentence.

21. $\frac{2}{5} \square \frac{7}{15}$
22. $\frac{4}{9} \square \frac{8}{18}$
23. $\frac{9}{36} \square \frac{4}{8}$
24. $\frac{4}{8} \square \frac{5}{9}$
25. $\frac{4}{18} \square \frac{3}{15}$
26. $\frac{3}{28} \square \frac{5}{32}$

27. **VOTING** During a student council meeting, $\frac{7}{12}$ of the members voted to hold a bake sale. If a $\frac{2}{3}$ vote is required to pass, will a bake sale be held?