Name _____

Least Common Multiple and Least Common Denominator

P 5-7 PRACTICE

Find the least common multiple (LCM) of the numbers.

1. 5 and 15 _____ **2.** 2 and 9 _____ **3.** 2 and 11 _____

4. 6 and 9 _____ **5.** 4 and 5 _____ **6.** 8 and 12 _____

7. 4 and 8 _____ **8.** 10 and 25 _____ **9.** 3 and 4 _____

10. 2 and 3 _____ **11.** 8 and 9 _____ **12.** 4 and 10 _____

13. 2, 4, and 16 _____ **14.** 3, 5, and 6 _____ **15.** 3, 6, and 8 _____

Write equivalent fractions using the LCD.

16. $\frac{7}{10}$ and $\frac{2}{5}$ _____ **17.** $\frac{5}{12}$ and $\frac{1}{4}$ _____

18. $\frac{2}{3}$ and $\frac{3}{8}$ _____ **19.** $\frac{3}{5}$ and $\frac{9}{10}$ _____

20. $\frac{1}{6}$ and $\frac{7}{12}$ _____ **21.** $\frac{1}{5}$ and $\frac{2}{3}$ _____

22. $\frac{5}{8}$ and $\frac{2}{5}$ _____ **23.** $\frac{1}{3}$ and $\frac{5}{12}$ _____

24. $\frac{3}{4}$ and $\frac{13}{16}$ _____ **25.** $\frac{3}{10}$ and $\frac{5}{6}$ _____

26. $\frac{11}{20}$ and $\frac{4}{5}$ _____ **27.** $\frac{2}{9}$ and $\frac{1}{8}$ _____

28. $\frac{3}{8}$ and $\frac{5}{6}$ _____ **29.** $\frac{5}{6}$ and $\frac{9}{24}$ _____

Problem Solving

30. José and Sara are walking around the track at the same time. José walks one lap every 8 minutes. Sara walks a lap every 6 minutes. What is the least amount of time they would both have to walk for them to cross the starting point together?

_____

31. Pamela and David walk on the same track. It takes Pamela 9 minutes and David 6 minutes to walk one lap. If they start walking at the same time, how many laps will each have walked when they cross the starting point together for the first time?

_____

_____

© McGraw-Hill School Division