

# Least Common Multiple and Least Common Denominator



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?
- \_\_\_\_\_
- \_\_\_\_\_