


3.2 Exercises

FOR
EXTRA
HELP


 Addison-Wesley
Math Tutor Center

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Use multiples of the larger number to find the least common multiple in each set of numbers. See Examples 1 and 2.

1. 3 and 6

2. 2 and 4

3. 3 and 5

4. 3 and 7

5. 4 and 9

6. 4 and 10

7. 2 and 7

8. 6 and 8

9. 6 and 10

10. 12 and 16

11. 20 and 50

12. 25 and 75

Find the least common multiple of each set of numbers. Use any method. See Examples 2–6.

13. 4, 10

14. 6, 10

15. 12, 20

16. 9 and 15

17. 6, 9, 12

18. 20, 24, 30

19. 4, 6, 8, 10

20. 8, 9, 12, 18

21. 12, 15, 18, 20

22. 6, 9, 27, 36

23. 8, 12, 16, 36

24. 5, 6, 25, 30

Rewrite each fraction with a denominator of 24. See Examples 7 and 8.

25. $\frac{2}{3} =$

26. $\frac{3}{8} =$

27. $\frac{3}{4} =$

28. $\frac{5}{12} =$

29. $\frac{5}{6} =$

30. $\frac{7}{8} =$

Rewrite each fraction with the indicated denominator.

31. $\frac{1}{2} = \frac{\quad}{6}$

32. $\frac{2}{3} = \frac{\quad}{9}$

33. $\frac{3}{4} = \frac{\quad}{16}$

34. $\frac{7}{10} = \frac{\quad}{30}$

35. $\frac{7}{8} = \frac{\quad}{32}$

36. $\frac{5}{12} = \frac{\quad}{48}$

37. $\frac{3}{16} = \frac{\quad}{64}$

38. $\frac{7}{8} = \frac{\quad}{96}$

39. $\frac{8}{5} = \frac{\quad}{20}$

40. $\frac{5}{8} = \frac{\quad}{40}$

41. $\frac{9}{7} = \frac{\quad}{56}$

42. $\frac{3}{2} = \frac{\quad}{64}$