

Skills

- **Lesson 4-1** Test each number for divisibility by 2, 3, 5, 9, or 10.

1. 324 2. 2,685 3. 540 4. 114 5. 31 6. 981

- **Lesson 4-2** Simplify each expression.

7. $7 + 5^2$ 8. $(6 - 2)^3 \times 3$ 9. 8^3 10. $9^2 + 2^2$

- **Lesson 4-3** Tell whether each number is prime or composite.

11. 24 12. 49 13. 7 14. 81 15. 37 16. 29

- **Lesson 4-4** Find the GCF of each set of numbers.

17. 10, 30 18. 15, 18 19. 25, 35 20. 28, 36 21. 45, 72 22. 8, 12, 20

- **Lesson 4-5** Write each fraction in simplest form.

23. $\frac{6}{60}$ 24. $\frac{3}{5}$ 25. $\frac{27}{36}$ 26. $\frac{40}{50}$ 27. $\frac{3}{4}$ 28. $\frac{42}{70}$

- **Lesson 4-6** Write each mixed number as an improper fraction. Write each improper fraction as a mixed number in simplest form.

29. $1\frac{7}{8}$ 30. $2\frac{3}{5}$ 31. $11\frac{1}{9}$ 32. $\frac{25}{7}$ 33. $\frac{39}{12}$ 34. $\frac{12}{5}$

- **Lesson 4-7** Find the LCM of each set of numbers.

35. 4, 8 36. 6, 14 37. 15, 25 38. 20, 36 39. 3, 4, 12 40. 8, 10, 15

- **Lesson 4-8** Order each set of numbers from least to greatest.

41. $\frac{4}{7}$, $\frac{4}{5}$, $\frac{4}{9}$ 42. $\frac{6}{16}$, $\frac{7}{16}$, $\frac{5}{16}$ 43. $\frac{2}{3}$, $\frac{5}{6}$, $\frac{7}{12}$ 44. $\frac{3}{4}$, $\frac{4}{6}$, $\frac{7}{9}$ 45. $2\frac{3}{4}$, $2\frac{1}{8}$, $2\frac{1}{2}$ 46. $\frac{5}{8}$, $\frac{3}{5}$, $\frac{9}{20}$

- **Lesson 4-9** Write each decimal as a fraction or mixed number in simplest form.

47. 1.25 48. 0.02 49. 0.32 50. 3.45 51. 0.175 52. 2.16

Write each fraction or mixed number as a decimal. Use a bar to indicate repeating digits.

53. $\frac{2}{3}$ 54. $\frac{2}{5}$ 55. $\frac{1}{4}$ 56. $7\frac{5}{12}$ 57. $4\frac{2}{3}$ 58. $\frac{13}{8}$