

1. Find the sum.

$$12 + (-6) = \boxed{6}$$

2. Find the product.

$$6 \cdot (-14) = \boxed{-84}$$

3. Find the sum.

$$(-12) + (-23) = \boxed{-35}$$

4. Solve.

$$8m = 112$$

$$m = \boxed{14}$$

5. Write the quotient in simplest form.

$$\frac{a}{2b} \div \frac{b}{a} = \boxed{\frac{a^2}{(2b^2)}}$$

6. Write as an improper fraction.

$$3\frac{2}{3} = \boxed{\frac{11}{3}}$$

7. Write as a fraction in simplest form.

$$-4.625 = \boxed{-\frac{37}{8}}$$

8. Simplify writing variables with exponents.

$$3 \cdot x \cdot x \cdot y \cdot 2 \cdot y \cdot y = \boxed{6x^2y^3}$$

9. Compare using
- $>$
- or
- $<$
- .

$$-\frac{7}{8} \boxed{<} -\frac{3}{4}$$

10. Find the product.

$$-8 \cdot (-17) = \boxed{136}$$

11. Solve.

$$y + 48 = -9$$

$$y = \boxed{-57}$$

12. Find the value of
- $n$
- .

$$30\% \text{ of } n = 18$$

$$n = \boxed{60}$$

13. Write the sum in simplest form.

$$\frac{5}{12} + \frac{3}{12} = \boxed{\frac{2}{3}}$$

14. Change the feet to inches.

$$3\frac{1}{4} \text{ ft} = \boxed{39} \text{ in}$$

15. Write the sum in simplest form.

$$-\frac{1}{6} + \left(-\frac{7}{12}\right) = \boxed{-\frac{3}{4}}$$

16. Find the quotient.

$$7840 \div 140 = \boxed{56}$$

17. Compare using
- $>$
- or
- $<$
- .

$$\frac{1}{2} \boxed{<} \frac{5}{8}$$

18. Solve.

$$-11x - 15 = -81$$

$$x = \boxed{6}$$

19. Simplify.

$$\frac{12}{20} = \boxed{\frac{3}{5}}$$

20. Simplify.

$$\frac{12xy}{36x} = \boxed{\frac{y}{3}}$$

21. Solve the proportion.

$$\frac{5}{6} = \frac{n}{18}$$

$$n = \boxed{15}$$

22. Compare using
- $>$
- or
- $<$
- .

$$-5 \boxed{<} -4$$

23. Find the least common denominator.

$$\frac{1}{4a}, \frac{4}{ab}$$

$$LCD = \boxed{4ab}$$

24. Write in scientific notation.

$$0.0000278 = \boxed{2.78 \cdot 10^{-5}}$$

25. Solve.

$$2h - 13 = 5$$

$$h = \boxed{9}$$

26. Compare using
- $>$
- or
- $<$
- .

$$5.4 \boxed{>} 4.41$$

27. Write as a fraction in simplest form.

$$0.45 = \boxed{\frac{9}{20}}$$

28. Find the prime or algebraic factorization.

$$30x^2y^3z = \boxed{2 \cdot 3 \cdot 5 \cdot x \cdot x \cdot y \cdot y \cdot y \cdot z}$$

29. Solve.

$$3n + 8n = 143$$

$$n = \boxed{13}$$

30. Solve.

$$5r = 2.75$$

$$r = \boxed{0.55}$$

31. Find the least common multiple.

$$15x^2y, 35xy^2$$

$$LCM = \boxed{105x^2y^2}$$

32. Find the value of n.

$$7\% \text{ of } 14 = n$$

$$n = \boxed{0.98}$$

33. Simplify.

$$32 + 3 \cdot 6 - 5 = \boxed{45}$$

34. Solve.

$$8f - 21 = -12f + 19$$

$$f = \boxed{2}$$

35. Write in scientific notation.

$$310,000,000 = \boxed{3.1 \cdot 10^8}$$

36. Find the greatest common factor.

$$12a, 18a^2$$

$$GCF = \boxed{6a}$$

37. Find the difference.

$$3 - (-6) = \boxed{9}$$

38. Solve.

$$\frac{c}{4.1} = 3.2$$

$$c = \boxed{13.12}$$

39. Simplify.

$$13g + 4 + g + 7 = \boxed{14g + 11}$$

40. Solve.

$$7.59 = m - 3.7$$

$$\boxed{11.29} = m$$

41. Find the quotient rounded to the nearest hundredth.

$$27.93 \div 8 = \boxed{3.49}$$

42. Write the quotient in simplest form.

$$3\frac{1}{2} \div 2\frac{1}{3} = \boxed{\frac{3}{2}}$$

43. Solve.

$$b + 17 = 32$$

$$b = \boxed{15}$$

44. Evaluate this expression for  $d = 5$ ,  $f = 3$ , and  $c = 5$ .

$$d + f + c = \boxed{13}$$

45. Solve.

$$480 = 30d$$

$$\boxed{16} = d$$

46. Write as a decimal.

$$\frac{7}{8} = \boxed{0.875}$$

47. Round to the nearest hundredth.

$$9.8754 = \boxed{9.88}$$

48. Round to the nearest hundred.

$$4954 = \boxed{5000}$$

49. Write the product in simplest form.

$$\frac{3}{4} \cdot \frac{5}{6} = \boxed{\frac{5}{8}}$$

50. Find the quotient.

$$0.0633 \div 0.03 = \boxed{2.11}$$

51. Find the quotient.

$$1058 \div 23 = \boxed{46}$$

52. Find the quotient.

$$1715 \div 7 = \boxed{245}$$

53. Write as a fraction in simplest form.

$$66\frac{2}{3}\% = \boxed{\frac{2}{3}}$$

54. Solve.

$$\frac{k}{13} = 21$$

$$k = \boxed{273}$$

55. Write the difference in simplest form.

$$7\frac{2}{3} - 2\frac{5}{6} = \boxed{4\frac{5}{6}}$$

56. Solve.

$$3.6 = n(4)$$

$$n = \boxed{0.9}$$

57. Solve.

$$t + 1.7 = 4.3$$

$$t = \boxed{2.6}$$

58. Write the difference in simplest form.

$$-\frac{5}{8} - \left(-\frac{1}{4}\right) = \boxed{-\frac{3}{8}}$$

59. Find the product.

$$3603 \cdot 8 = \boxed{28824}$$

60. Find the product.

$$0.5 \cdot 100 = \boxed{50}$$

61. Find the quotient.

$$-132 \div (-6) = \boxed{22}$$

62. Write the sum in simplest form.

$$1\frac{1}{4} + 5\frac{5}{8} = \boxed{6\frac{7}{8}}$$

63. Solve.

$$\frac{x}{7} + 4 = 12$$

$$x = \boxed{56}$$

64. Simplify.

$$3\frac{4}{6} = \boxed{3\frac{2}{3}}$$

65. Find the value of n.

$$\frac{2}{3} \text{ of } n = 32$$

$$n = \boxed{48}$$

66. Find the quotient.

$$7.61 \div 10 = \boxed{0.761}$$

67. Solve.

$$y - 16 = 24$$

$$y = \boxed{40}$$

68. Find the value of n.

$$\frac{3}{7} \text{ of } 56 = n$$

$$n = \boxed{24}$$

69. Write the difference in simplest form.

$$\frac{5}{6} - \frac{5}{8} = \boxed{\frac{5}{24}}$$

70. Find the sum.

$$3.47 + 5.3 = \boxed{8.77}$$

71. Solve.

$$\frac{25 = c + 7}{18} = c$$

72. Solve.

$$\frac{f}{-6} = 9$$

$$f = -54$$

73. Find the percent of increase or decrease. Use i for increase or d for decrease.

$$36 \text{ to } 45, \text{ percent of increase/decrease} = 25\%i$$

74. Write as a whole number or a mixed number.

$$\frac{18}{5} = 3\frac{3}{5}$$

75. Write as a percent.

$$\frac{1}{5} = 20\%$$

76. Find the difference.

$$12 - 7.8 = 4.2$$

77. Write the quotient in simplest form.

$$\frac{3}{5} \div \frac{6}{7} = \frac{7}{10}$$

78. Find the product.

$$0.0345 \cdot 1000 = 34.5$$

79. Write the product in simplest form.

$$2\frac{3}{4} \cdot 1\frac{1}{3} = 3\frac{2}{3}$$

80. Simplify.

$$24 \div 6 \cdot 2 = 8$$

81. Solve.

$$7x - 8 = -4$$

$$x = \frac{4}{7}$$

82. Write the quotient in simplest form.

$$-\frac{7}{8} \div -\frac{5}{6} = \frac{21}{20}$$

83. Solve for n by solving a proportion.

$$18\% \text{ of } n = 90$$

$$n = 500$$

84. Find the product.

$$74 \cdot 56 = 4144$$

85. Find the sum.

$$4859 + 361 = 5220$$

86. Write the product in simplest form.

$$-\frac{4}{5} \cdot \frac{1}{2} = -\frac{2}{5}$$

87. Compare using > or <.

$$12 > -14$$

88. Find the percent of increase or decrease. Use i for increase or d for decrease.

$$60 \text{ to } 48, \text{ percent of increase/decrease} = 20\%d$$

89. Write as a decimal.

$$-\frac{5}{3} = \boxed{-1.\overline{6}}$$

90. Find the quotient.

$$-56 \div 7 = \boxed{-8}$$

91. Find the difference.

$$-8 - 6 = \boxed{-14}$$

92. Complete so that the fractions are equivalent.

$$\frac{3a}{5b} = \frac{\boxed{12a^2}}{20ab}$$

93. Find the product.

$$5.4 \cdot 0.77 = \boxed{4.158}$$

94. Find the product.

$$426 \cdot 1000 = \boxed{426000}$$

95. Find the product.

$$114 \cdot 414 = \boxed{47196}$$

96. Solve for n by solving a proportion.

$$n\% \text{ of } 70 = 35$$

$$n = \boxed{50}$$

97. Find the difference.

$$4703 - 246 = \boxed{4457}$$

98. Evaluate this expression for  $x = 32$ ,  $y = 8$ , and  $z = 12$ .

$$\frac{x}{y} + z = \boxed{16}$$

99. Simplify.

$$12c + 7 - 5c - 3 = \boxed{7c + 4}$$

100. Complete so that the fractions are equal ratios.

$$\frac{28}{32} = \frac{\boxed{7}}{8}$$