



Basic Math Skills

Give the place and value of the underlined digit.

1. $\underline{4}$ 7

2. 52

3. 3178

4. 5172

Round to the place shown.

Nearest Thousand

5. 1449

6. 5710

Nearest Ten

7. 76

8. 23

Nearest Tenth

9. 4.89

10. 14.53

Solve the following.

11. $\begin{array}{r} 1418 \\ + \underline{6287} \end{array}$

12. $\begin{array}{r} 4619 \\ 574 \\ + \underline{3128} \end{array}$

13. $\begin{array}{r} 74,918 \\ + \underline{14,288} \end{array}$

14. $\begin{array}{r} 527 \\ - \underline{489} \end{array}$

15. $\begin{array}{r} 7215 \\ - \underline{4707} \end{array}$

16. $\begin{array}{r} 54,312 \\ - \underline{46,974} \end{array}$

17. $\begin{array}{r} 643.52 \\ + \underline{216.86} \end{array}$

18. $\begin{array}{r} 813.88 \\ + \underline{142.11} \end{array}$

19. $\begin{array}{r} 568.41 \\ + \underline{493.73} \end{array}$

20. $\begin{array}{r} 75.75 \\ - \underline{42.31} \end{array}$

21. $\begin{array}{r} 712.96 \\ - \underline{74.77} \end{array}$

22. $\begin{array}{r} 491.43 \\ - \underline{287.65} \end{array}$

23. $\begin{array}{r} 74 \\ \times \underline{36} \end{array}$

24. $\begin{array}{r} 219 \\ \times \underline{78} \end{array}$

25. $\begin{array}{r} 247 \\ \times \underline{358} \end{array}$

26. $\begin{array}{r} 4.7 \\ \times \underline{2.1} \end{array}$

27. $\begin{array}{r} 7.423 \\ \times \underline{8.04} \end{array}$

28. $\begin{array}{r} 0.417 \\ \times \underline{0.8} \end{array}$

Write the remainder as a fraction. 29. $42 \overline{)16,912}$

Write the remainder as a decimal. 30. $274 \overline{)3425}$ 31. $0.06 \overline{)0.0366}$

32. $0.26 \overline{)122.2}$ 33. $34.8 \overline{)1684.32}$

Reduce to lowest terms.

34. $\frac{500}{550}$ _____

35. $\frac{56}{96}$ _____

Write as an improper fraction.

36. $7\frac{2}{5}$ _____

37. $2\frac{17}{18}$ _____

Write as a decimal to the nearest tenth.

38. $\frac{7}{25}$ _____



Write each answer in lowest terms.

39. $\frac{5}{8} + \frac{7}{8}$ _____ 40. $9\frac{3}{4} + 7\frac{1}{3}$ _____ 41. $43\frac{7}{12} - 19\frac{5}{12}$ _____

42. $\frac{7}{8} - \frac{11}{24}$ _____ 43. $35 - 17\frac{5}{6}$ _____ 44. $7\frac{5}{6} \times \frac{3}{4}$ _____

45. $8\frac{2}{5} \div 5\frac{2}{3}$ _____ 46. 45 to 72 _____ 47. $\frac{32}{48} = \frac{n}{10}$ _____

Write the proportion and solve.

48. It costs \$35 to ship 200 pounds of auto parts.
How much does it cost to ship 500 pounds? _____

49. Which costs less per dozen: 12 dozen eggs at
\$11.76 or 10 dozen eggs at \$9.70? _____

Write as a percent.

50. 0.0642 _____ 51. 0.0095 _____ 52. 0.3655 _____

53. $17\frac{13}{100}$ _____ 54. $\frac{4}{5}$ _____ 55. $8\frac{3}{4}$ _____

Write as a decimal.

56. 74% _____ 57. 7.651% _____ 58. 212% _____

Write as a fraction in lowest terms.

59. $8\frac{1}{3}\%$ _____ 60. $35\frac{1}{2}\%$ _____ 61. $2\frac{1}{2}\%$ _____

Solve the following.

62. 6.5% of 125 _____ 63. $7\frac{1}{2}\%$ of \$8900 _____

64. $n\%$ of 180 = 72 $n =$ _____ 65. $n\%$ of 216 = 756 $n =$ _____

66. 75% of $p = 225$ $p =$ _____ 67. 215% of $n = 672.95$ $n =$ _____

ANSWERS

Chapter 1

Diagnostic Test: Basic Math Skills

1. Tens, 40
2. Units, 2
3. Hundreds, 100
4. Thousands, 5000
5. 1000
6. 6000
7. 80
8. 20
9. 4.9
10. 14.5
11. 7705
12. 8321
13. 89,206
14. 38
15. 2508
16. 7338
17. 860.38
18. 955.99
19. 1062.14
20. 33.44
21. 638.19
22. 203.78
23. 2664
24. 17,082
25. 88,426
26. 9.87
27. 59.68092
28. 0.3336
29. $402\frac{2}{3}$
30. 12.5
31. 0.61
32. 470
33. 48.4
34. $\frac{10}{11}$
35. $\frac{7}{12}$
36. $\frac{37}{5}$
37. $\frac{53}{18}$
38. 0.3
39. $1\frac{1}{2}$
40. $17\frac{1}{12}$
41. $24\frac{1}{6}$
42. $\frac{5}{12}$
43. $17\frac{1}{6}$
44. $5\frac{7}{8}$
45. $1\frac{41}{85}$
46. 5:8
47. $6\frac{2}{3}$
48. \$87.50
49. 10 dozen at \$9.70
50. 6.42%
51. 0.95%
52. 36.55%
53. 1713%
54. 80%
55. 875%
56. 0.74
57. 0.07651
58. 2.12
59. $\frac{1}{12}$
60. $\frac{71}{200}$
61. $\frac{1}{40}$
62. 8.125
63. \$667.50
64. 40%
65. 350%
66. 300
67. 313.