

7. Deondre had \$1,234.00 in his checking account. He wrote a check to his sister Debbie for \$492.00 to cover one month of baby sitting. After the check clears how much money will Deondre have in his checking account?
- a. \$1,326
 - b. \$751
 - c. \$742
 - d. \$112

ANS: C PTS: 1 DIF: Easy

8. Multiply: $2,608 \times 330$.
- a. 860,640
 - b. 86,064
 - c. 858,000
 - d. 2,278

ANS: A PTS: 1 DIF: Easy

9. Multiply: $2,513 \times 63$.
- a. 150,000
 - b. 150,780
 - c. 157,500
 - d. 158,319

ANS: D PTS: 1 DIF: Easy

10. Divide the following numbers: $33 \overline{)1650}$
- a. 50
 - b. .02
 - c. 54
 - d. 49 R 32

ANS: A PTS: 1 DIF: Easy

11. A certain truck covered 7,605 miles in 15 days. What is the average number of miles traveled per day?
- a. 550
 - b. 506
 - c. 507
 - d. 508

ANS: C PTS: 1 DIF: Easy

12. Eugene noticed that his inventory decreased from 715 units of stock to 317 units of stock. How many units of stock did his inventory decrease?
- a. 407
 - b. 418
 - c. 398
 - d. 498

ANS: C PTS: 1 DIF: Easy

PROBLEM

13. Write the whole number in numerical and word form: 3549211

ANS:

3,549,211 three million, five hundred forty-nine thousand, two hundred eleven

PTS: 1 DIF: Difficult

14. Write the whole number in numerical and word form: 5009

ANS:

5,009 five thousand, nine

PTS: 1 DIF: Easy

15. Write the whole number in numerical form: Seven hundred fourteen thousand, four

ANS:

714,004

PTS: 1 DIF: Difficult MSC: Changed

16. Round the number to the indicated place: 56,212 to tens

ANS:

56,210

PTS: 1 DIF: Easy

17. Round the number to the indicated place: 519,999 to thousands

ANS:

520,000

PTS: 1 DIF: Medium

18. Round the number to the indicated place: 4,652 all the way

ANS:

5,000

PTS: 1 DIF: Easy

19. Approximate the exact number by rounding to an easier number to use: 8,592 employees

ANS:

Answers may vary.

8,600 employees

PTS: 1 DIF: Medium

20. $1,212 + 19 + 69 =$

ANS:

1,300

PTS: 1 DIF: Easy

21. $1,826 - 229 =$

ANS:
1,597

PTS: 1 DIF: Easy

22.
$$\begin{array}{r} 116,000 \\ -24,962 \\ \hline \end{array}$$

ANS:
91,038

PTS: 1 DIF: Easy

23.
$$\begin{array}{r} 8,698 \\ \times 245 \\ \hline \end{array}$$

ANS:
2,131,010

PTS: 1 DIF: Easy

24.
$$\begin{array}{r} 2500 \overline{) 85000} \end{array}$$

ANS:
34

PTS: 1 DIF: Easy

25.
$$\frac{845}{86}$$

ANS:
9 R71

PTS: 1 DIF: Medium

ESSAY

26. Brooks Company employs 114 employees in its materials department, 441 employees in its assembly plant, and 130 in the finishing plant. There are also 63 office employees, 8 security guards, 117 salespeople, and 8 executives. How many people work for this company?

ANS:
881 people

PTS: 1 DIF: Easy

27. A newsstand sold 318 papers on Monday, 389 papers on Tuesday, 406 papers on Wednesday, 347 papers on Thursday, 515 on Friday, and 1,812 papers on the weekend. How many papers were sold during the entire week?

ANS:
3,787 papers

PTS: 1 DIF: Easy

28. Boyd had \$286 in his wallet this morning. During the day he spent \$6 for breakfast, \$23 for a jacket, and \$30 for a concert ticket. How much money did Boyd have left?

ANS:
\$227

PTS: 1 DIF: Easy

29. A plumber starts the day having 2,240 feet of copper tubing on his truck. During the morning he uses pieces 120, 82, 225, and 340 feet long. At lunch he goes to a plumbing supply house and buys another 950 feet of tubing. During the afternoon he uses pieces of 412, 329, and 44 feet of tubing. How many feet of copper tubing are still on the truck at the end of the day?

ANS:
1,638 feet

PTS: 1 DIF: Medium MSC: Changed

30. Zaiya Vivian bought 3,000 shares of stock for \$59 per share. Six months later she sold the 3,000 shares of stock for \$75 per share. If the stockbroker's commission was \$975, how much profit did Zaiya make on the transaction?

ANS:
\$47,025

PTS: 1 DIF: Medium

31. Chad decided to save money for a new computer. After 35 weeks he had saved \$3,395. How much did Chad save per week in order to reach his total?

ANS:
\$97

PTS: 1 DIF: Easy

32. A 2,300 acre farm was sold for \$963,500. If the house and equipment are worth \$188,400 and the land represents the balance, what was the price paid per acre for the land?

ANS:
\$337

PTS: 1 DIF: Medium

33. You are hosting a reception. The meal will cost \$22 per person; entertainment will cost \$1,500; facility rental is \$750; invitations and decoration costs are \$1,230; and other expenses amount to \$930

- a. Calculate the cost if 210 guests plan to attend.
- b. What is the cost per guest?

ANS:

- a. \$9,030
- b. \$43

PTS: 1 DIF: Difficult

34. A contestant agreed to split her prize money equally with her family. There are 11 members in her family, including the contestant. If she won \$275,000, how much money will each family member receive?

ANS:
\$25,000

PTS: 1 DIF: Easy

CHAPTER 1 QUIZ B—WHOLE NUMBERS

COMPLETION

1. To calculate approximately the amount or value of something is called _____.

ANS: estimating

PTS: 1 DIF: Easy

2. Any number, zero or greater, which does not contain a decimal or fraction is called a(n) _____.

ANS: whole number

PTS: 1 DIF: Easy

3. An approximation of an exact number is called a(n) _____ number.

ANS: rounded

PTS: 1 DIF: Easy

4. Rounding off to the first digit is called _____.

ANS: rounding all the way

PTS: 1 DIF: Easy

5. Any of a set of numbers being added in an addition problem are called _____.

ANS: addends

PTS: 1 DIF: Medium

6. The number being subtracted from an original number is called the _____.

ANS: subtrahend

PTS: 1 DIF: Medium

7. In multiplication, the number being multiplied is called the _____.

ANS: multiplicand

PTS: 1 DIF: Medium

8. The answer or result of multiplication is called the _____.

ANS: product

PTS: 1 DIF: Medium

9. In division, the number you divide by is called the _____.

ANS: divisor

PTS: 1 DIF: Medium MSC: Changed

10. The quotient is the answer to a(n) _____ problem.

ANS: division

PTS: 1 DIF: Easy

MULTIPLE CHOICE

11. Identify the word form: 18311
- a. eighteen thousand, three hundred eleven
 - b. one hundred eleven
 - c. one thousand, eight hundred eleven
 - d. one thousand, eight hundred thirty-one

ANS: A PTS: 1 DIF: Easy

12. Round to the given place: 3,119,687 (hundred thousands)
- a. 3,120,000
 - b. 3,000,000
 - c. 3,119,700
 - d. 3,100,000

ANS: D PTS: 1 DIF: Easy

13. Total the following numbers: 515; 7,104; 8,219; 96.
- a. 15,110
 - b. 15,822
 - c. 15,934
 - d. 14,934

ANS: C PTS: 1 DIF: Easy MSC: Changed

14. A factory produces 996 area rugs per week. How many area rugs does it produce in 32 weeks?
- a. 31,680
 - b. 29,880
 - c. 31,872
 - d. 51,792

ANS: C PTS: 1 DIF: Easy

15. Benny's Warehouse, a large manufacturing company, has 977 employees on its payroll. Last year Mr. Benny spent \$4,117 per employee on additional benefits. What was the total cost to Mr. Benny for the additional employee benefits?
- a. \$3,056,331
 - b. \$4,022,309
 - c. \$5,788,454
 - d. \$4,019,580

ANS: B PTS: 1 DIF: Easy

16. Divide the following numbers: $13 \overline{) 593}$
- a. 55
 - b. 45 R 8
 - c. 46
 - d. 38

ANS: B PTS: 1 DIF: Medium

17. A certain employer distributed 2 pairs of safety shoes to each of its workers. A total of 106 pairs of shoes were pass out to its employees. How many employees work for this company?
- a. 53
 - b. 106
 - c. 63
 - d. 61

ANS: A PTS: 1 DIF: Easy

PROBLEM

18. Write the whole number in numerical and word form: 6522

ANS:
6,522 six thousand, five hundred twenty-two

PTS: 1 DIF: Easy

19. Write the whole number in numerical form: One billion, one million, one thousand, twenty-two

ANS:
1,001,001,022

PTS: 1 DIF: Difficult

20. Round the number to the indicated place: 218,164,212 to ten millions

ANS:
220,000,000

PTS: 1 DIF: Medium MSC: Changed

21. Approximate the exact number by rounding to an easier number to use: 65,819 gallons of fuel

ANS:
Answers may vary.
66,000 gallons of fuel

PTS: 1 DIF: Medium

$$\begin{array}{r}
 22. \quad 816 \\
 335 \\
 28 \\
 + \underline{116}
 \end{array}$$

ANS:
1,295

PTS: 1 DIF: Easy

$$\begin{array}{r}
 23. \quad 5,000,922 \\
 - \underline{88,936}
 \end{array}$$

ANS:
4,911,986

PTS: 1 DIF: Easy

$$\begin{array}{r}
 24. \quad 332,000 \\
 \times \underline{6,000}
 \end{array}$$

ANS:
1,992,000,000

PTS: 1 DIF: Easy

25. Divide 5975 by 25.

ANS:
239

PTS: 1 DIF: Easy

$$26. \quad \frac{18520}{210}$$

ANS:
88 R40

PTS: 1 DIF: Medium

ESSAY

27. Jason works in the purchasing department of a company. He is filling out an order form for 112,545 safety goggles. The order form requires that Jason write out the number of goggles in word form. What should Jason write on the order form?

ANS:
one hundred twelve thousand, five hundred forty-five

PTS: 1 DIF: Medium

28. Winston Company pays its sales staff \$445 per month, plus commissions. Last month, Winston Haines earned commissions of \$329, \$218, \$456, \$197, and \$482. What was Winston's total income for the month?

ANS:
\$2,127

PTS: 1 DIF: Easy

29. Demar had 2,143 belts in stock, and after a sale there were only 1,213 left. How many belts were purchased during the sale?

ANS:
930

PTS: 1 DIF: Easy

30. Barbara Brooks makes \$6.50 per hour. How much does Barbara earn in a 32-hour week?

ANS:
\$208

PTS: 1 DIF: Easy

31. The Zione Company can produce 90 appliances in an 8-hour shift. The plant operates continuously – 3 shifts per day, 5 days per week. How many appliances can be produced in 5 weeks?

ANS:
6,750 appliances

PTS: 1 DIF: Difficult

32. A machine uses 12 circuit boards, each containing 326 parts. A company has 615,828 parts in stock.

- a. How many machines can it manufacture?
- b. How many parts will be left?

ANS:

- a. 157 machines
- b. 1,644 parts left

PTS: 1 DIF: Medium

33. A flatbed railroad car weighs 175 tons empty, and 527 tons loaded with 22 trailers. How many tons does each trailer weigh?

ANS:
16 tons

PTS: 1 DIF: Medium

34. Accu-Temp charges \$19 per hour for accounting employees. These employees are paid \$11 per hour. If Accu-Temp has 25 accounting employees, each working a 32-hour week, how much profit did the company make last week?

ANS:
\$6,400

PTS: 1

DIF: Difficult

7. Last month was Valentine's Day and Glenn's daily sales for roses totaled \$4,087. This month's sales are \$2,904. How much more did Glenn's store sell during last month?
- a. \$2,704
 - b. \$6,591
 - c. \$1,591
 - d. \$1,183

ANS: D PTS: 1 DIF: Easy

8. Multiply: $3,449 \times 216$.
- a. 755,784
 - b. 744,984
 - c. 724,290
 - d. 680,000

ANS: B PTS: 1 DIF: Easy

9. Jack owns an auto dealership. This week he must order 61 new Kia Sportage's. If each Kia Sportage costs Jack \$8,532, how much is his total purchase?
- a. \$299,952
 - b. \$132.25
 - c. \$520,452
 - d. \$254,832

ANS: C PTS: 1 DIF: Easy

10. Divide 945 by 14
- a. 67.5
 - b. 68 R 7
 - c. 67.33
 - d. 70

ANS: A PTS: 1 DIF: Medium MSC: Changed

11. After returning from a fishing trip, Lonnie weighed his catch. The catfish weighed 23 pounds, the perch weighed 19 pounds and the walleye weighed 27 pounds. What was the total weight of his catch?
- a. 59
 - b. 69
 - c. 57
 - d. 74

ANS: B PTS: 1 DIF: Easy

12. Kevin purchased 41 tires for his fleet at a cost of \$75 per tire. What was the total cost of his purchase?
- a. \$3,075
 - b. \$3,705
 - c. \$307
 - d. \$3,507

ANS: A PTS: 1 DIF: Easy

13. Tabia agreed to purchase a vehicle with the following terms. She is will make a \$3,000 down payment on a car costing \$15,000. Assuming no interest, how much would she pay per month if she financed this vehicle over 24 months?
- a. \$1,000
 - b. \$500

- c. \$250
- d. \$625

ANS: B

PTS: 1

DIF: Easy

PROBLEM

14. Write the whole number in numerical and word form: 189215

ANS:

189,215 one hundred eighty-nine thousand, two hundred fifteen

PTS: 1

DIF: Difficult

15. Write the whole number in numerical and word form: 780312

ANS:

780,312 seven hundred eighty thousand, three hundred twelve

PTS: 1

DIF: Difficult

16. Write the whole number in numerical form: Sixty-five million, two hundred six

ANS:

65,000,206

PTS: 1

DIF: Difficult

17. Round the number to the indicated place: 180,686 to hundreds

ANS:

180,700

PTS: 1

DIF: Easy

18. Round the number to the indicated place: 18,796,538 to ten millions

ANS:

20,000,000

PTS: 1

DIF: Medium

19. Approximate the exact number by rounding to an easier number to use: \$1,607,255 net sales

ANS:

Answers may vary.

\$1,600,000 net sales

PTS: 1

DIF: Medium

20. Approximate the exact number by rounding to an easier number to use: 99,817 items in inventory

ANS:

Answers may vary.
100,000 items in inventory

PTS: 1 DIF: Medium

21.
$$\begin{array}{r} 1,419 \\ 315 \\ 2,412 \\ + 124 \\ \hline \end{array}$$

ANS:
4,270

PTS: 1 DIF: Easy MSC: Changed

22.
$$\begin{array}{r} 18,010 \\ - 9,516 \\ \hline \end{array}$$

ANS:
8,494

PTS: 1 DIF: Easy

23.
$$\begin{array}{r} 1,018 \\ \times 567 \\ \hline \end{array}$$

ANS:
577,206

PTS: 1 DIF: Easy

24.
$$\begin{array}{r} 86 \overline{) 92622} \end{array}$$

ANS:
1,077

PTS: 1 DIF: Easy

25. Divide 4009 by 32

ANS:
125 R9

PTS: 1 DIF: Easy

ESSAY

26. In one year a fleet of airplanes used 558,709 gallons of fuel. A report to the Vice President requires that this number be rounded to the hundreds. What should be reported to the Vice President as the total gallons of fuel used last year?

ANS:
558,700

PTS: 1 DIF: Easy

27. A service station's record of gallons of gasoline sold per day over a 4 day period produced the figures below. What was the total number of gallons sold?

131; 1,897; 931; 1,722

ANS:
4,681

PTS: 1 DIF: Easy

28. Jacques Millard earned \$544 for the week. Deducted from his paycheck was: \$92 for income taxes, \$72 for social security, \$25 for union dues, and \$87 for other miscellaneous items. What was the amount of his paycheck?

ANS:
\$268

PTS: 1 DIF: Easy MSC: Changed

29. A basketball team sold 8,212 first tier seat tickets at \$19 each, 11,182 second tier seat tickets at \$15 each, and 3,920 upper tier tickets at \$12 each. What was the total dollar amount of the ticket sales?

ANS:
\$370,798

PTS: 1 DIF: Medium

30. A roofer has 87,120 square feet of roofing material. If the average roof requires 7,920 square feet of material, how many roofs can he cover?

ANS:
11 roofs

PTS: 1 DIF: Easy

31. First Fidelity charges \$11,144 interest on a loan of \$28,600. What equal payments must be made in order to pay back the loan plus interest in 36 months?

ANS:
\$1,104

PTS: 1 DIF: Easy

32. Last month, George Griscom harvested 325 bushels of tomatoes, 218 bushels of carrots, and 560 bushels of cucumbers. He sold the entire harvest to Produce, Inc. The tomatoes brought \$4 per bushel; the carrots, \$3 per bushel; and the cucumbers \$2 per bushel. If George's expenses amounted to \$989, how much was his profit?

ANS:

\$2,085

PTS: 1 DIF: Medium

33. The O'Brien Company purchased a new building for \$185,500. After a down payment of \$38,800, the balance was paid in equal monthly payments, with no interest
- If the loan was paid off in 3 years, how much were the monthly payments?
 - If the loan was paid off in 5 years, how much less were the monthly payments?

ANS:

- \$4,075
- \$1,630

PTS: 1 DIF: Difficult

34. Kiah's catering service figured that each party member would use the following items per person; 3 cups, 5 napkins, 4 forks, 2 knives and 3 spoons. If Kiah is catering a party for 150 people, how many total items will she need to supply the party?

ANS:
2,550 items

PTS: 1 DIF: Medium

CHAPTER 1 TEST—WHOLE NUMBERS

COMPLETION

1. To calculate approximately the amount or value of something is called _____.

ANS: estimating

PTS: 1 DIF: Easy

2. Any number, zero or greater, which does not contain a decimal or fraction is called a(n) _____.

ANS: whole number

PTS: 1 DIF: Easy

3. An approximation of an exact number is called a(n) _____ number.

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PTS: 1 DIF: Medium

7. In multiplication, the number being multiplied is called the _____.

ANS: multiplicand

PTS: 1 DIF: Medium

8. The answer or result of multiplication is called the _____.

ANS: product

PTS: 1 DIF: Medium

23. Leon counts his calories over several days. What is his total caloric intake given these values: 1,405; 1,219; 1,119; 1,353.
- a. 3,977
 - b. 5,096
 - c. 3,943
 - d. 5,095

ANS: B PTS: 1 DIF: Easy

24. If 14,530 tickets were originally available for a baseball game and 8,738 were sold, how many tickets remain?
- a. 23,268
 - b. 14,530
 - c. 5,792
 - d. 8,738

ANS: C PTS: 1 DIF: Easy

25. The town that Zelda lives in increased in size from 17,791 to 33,608. What was the amount of the increase?
- a. 15,810
 - b. 19,791
 - c. 15,817
 - d. 55,399

ANS: C PTS: 1 DIF: Easy

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ANS: A PTS: 1 DIF: Easy

35. Divide the following numbers: $13 \overline{) 593}$

- a. 55
- b. 45 R 8
- c. 46
- d. 38

ANS: B PTS: 1 DIF: Medium

36. Divide 828 by 12.
- a. .01
 - b. 68 R7
 - c. 69
 - d. 70

ANS: C PTS: 1 DIF: Medium

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- a. 550
 - b. 506
 - c. 507
 - d. 508

ANS: C PTS: 1 DIF: Easy

38. After returning from a fishing trip, Lonnie weighed his catch. The catfish weighed 23 pounds, the perch weighed 19 pounds and the walleye weighed 27 pounds. What was the total weight of his catch?
- a. 59
 - b. 69
 - c. 57
 - d. 74

ANS: B PTS: 1 DIF: Easy

39. Roger's lawn care service agreed to haul the following material to a certain home. The driver delivered 17 tons of rock on Monday, 15 tons of rock on Tuesday, 12 tons of rock on Wednesday, 8 tons of rock on Thursday and 13 tons of rock on Friday. What was the total weight of rock delivered for the week?
- a. 43
 - b. 54
 - c. 72
 - d. 65

ANS: D PTS: 1 DIF: Easy

40. Eugene noticed that his inventory decreased from 715 units of stock to 317 units of stock How many units of stock did his inventory decrease?
- a. 407
 - b. 418
 - c. 398
 - d. 498

ANS: C PTS: 1 DIF: Easy

41. Kevin purchased 41 tires for his fleet at a cost of \$75 per tire. What was the total cost of his purchase?
- a. \$3,075
 - b. \$3,705
 - c. \$307
 - d. \$3,507

ANS: A PTS: 1 DIF: Easy

42. A certain employer distributed 2 pairs of safety shoes to each of its workers. A total of 106 pairs of shoes were pass out to its employees. How many employees work for this company?

- a. 53
- b. 106
- c. 63
- d. 61

ANS: A PTS: 1 DIF: Easy

43. Tabia agreed to purchase a vehicle with the following terms. She is will make a \$3,000 down payment on a car costing \$15,000. Assuming no interest, how much would she pay per month if she financed this vehicle over 24 months?
- a. \$1,000
 - b. \$500
 - c. \$250
 - d. \$625

ANS: B PTS: 1 DIF: Easy

PROBLEM

44. Write the whole number in numerical and word form: 3549211

ANS:
3,549,211 three million, five hundred forty-nine thousand, two hundred eleven

PTS: 1 DIF: Difficult

45. Write the whole number in numerical and word form: 6522

ANS:
6,522 six thousand, five hundred twenty-two

PTS: 1 DIF: Easy

46. Write the whole number in numerical and word form: 189215

ANS:
189,215 one hundred eighty-nine thousand, two hundred fifteen

PTS: 1 DIF: Difficult

47. Write the whole number in numerical and word form: 5009

ANS:
5,009 five thousand, nine

PTS: 1 DIF: Easy

48. Write the whole number in numerical and word form: 780312

ANS:
780,312 seven hundred eighty thousand, three hundred twelve

PTS: 1 DIF: Difficult

49. Write the whole number in numerical form: Five hundred fifteen thousand, one

ANS:

515,001

PTS: 1

DIF: Difficult

50. Write the whole number in numerical form: One billion, one million, one thousand, twenty-two

ANS:

1,001,001,022

PTS: 1

DIF: Difficult

51. Write the whole number in numerical form: Sixty-five million, two hundred six

ANS:

65,000,206

PTS: 1

DIF: Difficult

52. Round the number to the indicated place: 56,212 to tens

ANS:

56,210

PTS: 1

DIF: Easy

53. Round the number to the indicated place: 180,686 to hundreds

ANS:

180,700

PTS: 1

DIF: Easy

54. Round the number to the indicated place: 519,999 to thousands

ANS:

520,000

PTS: 1

DIF: Medium

55. Round the number to the indicated place: 509,962,015 to hundred thousands

ANS:

510,000,000

PTS: 1

DIF: Medium

56. Round the number to the indicated place: 18,796,538 to ten millions

ANS:

20,000,000

PTS: 1 DIF: Medium

57. Round the number to the indicated place: 4,652 all the way

ANS:
5,000

PTS: 1 DIF: Easy

58. Approximate the exact number by rounding to an easier number to use: 65,819 gallons of fuel

ANS:
Answers may vary.
66,000 gallons of fuel

PTS: 1 DIF: Medium

59. Approximate the exact number by rounding to an easier number to use: \$1,607,255 net sales

ANS:
Answers may vary.
\$1,600,000 net sales

PTS: 1 DIF: Medium

60. Approximate the exact number by rounding to an easier number to use: 8,592 employees

ANS:
Answers may vary.
8,600 employees

PTS: 1 DIF: Medium

61. Approximate the exact number by rounding to an easier number to use: 99,817 items in inventory

ANS:
Answers may vary.
100,000 items in inventory

PTS: 1 DIF: Medium

62. $1,212 + 19 + 69 =$

ANS:
1,300

PTS: 1 DIF: Easy

63.
$$\begin{array}{r} 816 \\ 335 \\ 28 \\ +116 \\ \hline \end{array}$$

ANS:
1,295

PTS: 1 DIF: Easy

64.
$$\begin{array}{r} 2,618 \\ 212 \\ 5,973 \\ + 23 \\ \hline \end{array}$$

ANS:
8,826

PTS: 1 DIF: Easy

65. $1,826 - 229 =$

ANS:
1,597

PTS: 1 DIF: Easy

66.
$$\begin{array}{r} 18,010 \\ - 9,516 \\ \hline \end{array}$$

ANS:
8,494

PTS: 1 DIF: Easy

67.
$$\begin{array}{r} 116,000 \\ - 24,962 \\ \hline \end{array}$$

ANS:
91,038

PTS: 1 DIF: Easy

68.
$$\begin{array}{r} 5,000,922 \\ - 88,936 \\ \hline \end{array}$$

ANS:
4,911,986

PTS: 1 DIF: Easy

69.
$$\begin{array}{r} 1,018 \\ \times 567 \\ \hline \end{array}$$

ANS:
577,206

PTS: 1 DIF: Easy

70.
$$\begin{array}{r} 8,698 \\ \times 245 \\ \hline \end{array}$$

ANS:
2,131,010

PTS: 1 DIF: Easy

71.
$$\begin{array}{r} 332,000 \\ \times 6,000 \\ \hline \end{array}$$

ANS:
1,992,000,000

PTS: 1 DIF: Easy

72.
$$86 \overline{) 92622}$$

ANS:
1,077

PTS: 1 DIF: Easy

73.
$$2500 \overline{) 85000}$$

ANS:
34

PTS: 1 DIF: Easy

74. Divide 5975 by 25

ANS:
239

PTS: 1 DIF: Easy

75. Divide 4009 by 32

ANS:
125 R9

PTS: 1 DIF: Easy

76.
$$\frac{845}{86}$$

ANS:
9 R71

PTS: 1 DIF: Medium

77.
$$\frac{18520}{210}$$

ANS:
88 R40

PTS: 1 DIF: Medium

ESSAY

78. Brooks Company employs 114 employees in its materials department, 441 employees in its assembly plant, and 130 in the finishing plant. There are also 63 office employees, 8 security guards, 117 salespeople, and 8 executives. How many people work for this company?

ANS:
881 people

PTS: 1 DIF: Easy

79. Jason works in the purchasing department of a company. He is filling out an order form for 112,545 safety goggles. The order form requires that Jason write out the number of goggles in word form. What should Jason write on the order form?

ANS:
one hundred twelve thousand, five hundred forty-five

PTS: 1 DIF: Medium

80. In one year a fleet of airplanes used 558,709 gallons of fuel. A report to the Vice President requires that this number be rounded to the hundreds. What should be reported to the Vice President as the total gallons of fuel used last year?

ANS:
558,700

PTS: 1 DIF: Easy

81. A newsstand sold 318 papers on Monday, 389 papers on Tuesday, 406 papers on Wednesday, 347 papers on Thursday, 515 on Friday, and 1,812 papers on the weekend. How many papers were sold during the entire week?

ANS:
3,787 papers

PTS: 1 DIF: Easy

82. Winston Company pays its sales staff \$445 per month, plus commissions. Last month, Winston Haines earned commissions of \$329, \$218, \$456, \$197, and \$482. What was Winston's total income for the month?

ANS:
\$2,127

PTS: 1 DIF: Easy

83. A service station's record of gallons of gasoline sold per day over a 4 day period produced the figures below. What was the total number of gallons sold?

131; 1,897; 931; 1,722

ANS:
4,681

PTS: 1 DIF: Easy

84. Boyd had \$286 in his wallet this morning. During the day he spent \$6 for breakfast, \$23 for a jacket, and \$30 for a concert ticket. How much money did Boyd have left?

ANS:
\$227

PTS: 1 DIF: Easy

85. Demar had 2,143 belts in stock, and after a sale there were only 1,213 left. How many belts were purchased during the sale?

ANS:
930

PTS: 1 DIF: Easy

86. Dorian Vincent earned \$923 for the week. Deducted from his paycheck was: \$115 for income taxes, \$82 for social security, \$15 for union dues, and \$67 for other miscellaneous items. What was the amount of his paycheck?

ANS:
\$644

PTS: 1 DIF: Easy

87. A plumber starts the day having 1,250 feet of copper tubing on his truck. During the morning he uses pieces 123, 86, 215, and 396 feet long. At lunch he goes to a plumbing supply house and buys another 850 feet of tubing. During the afternoon he uses pieces of 513, 426, and 92 feet of tubing. How many feet of copper tubing are still on the truck at the end of the day?

ANS:
249 feet

PTS: 1 DIF: Medium

88. Barbara Brooks makes \$6.50 per hour. How much does Barbara earn in a 32-hour week?

ANS:
\$208

PTS: 1 DIF: Easy

89. A basketball team sold 8,212 first tier seat tickets at \$19 each, 11,182 second tier seat tickets at \$15 each, and 3,920 upper tier tickets at \$12 each. What was the total dollar amount of the ticket sales?

ANS:
\$370,798

PTS: 1 DIF: Medium

90. Zaiya Vivian bought 3,000 shares of stock for \$59 per share. Six months later she sold the 3,000 shares of stock for \$75 per share. If the stockbroker's commission was \$975, how much profit did Zaiya make on the transaction?

ANS:
\$47,025

PTS: 1 DIF: Medium

91. The Zione Company can produce 90 appliances in an 8-hour shift. The plant operates continuously – 3 shifts per day, 5 days per week. How many appliances can be produced in 5 weeks?

ANS:
6,750 appliances

PTS: 1 DIF: Difficult

92. A roofer has 87,120 square feet of roofing material. If the average roof requires 7,920 square feet of material, how many roofs can he cover?

ANS:
11 roofs

PTS: 1 DIF: Easy

93. Chad decided to save money for a new computer. After 35 weeks he had saved \$3,395. How much did Chad save per week in order to reach his total?

ANS:
\$97

PTS: 1 DIF: Easy

94. A machine uses 12 circuit boards, each containing 326 parts. A company has 615,828 parts in stock.

- a. How many machines can it manufacture?
- b. How many parts will be left?

ANS:

- a. 157 machines
- b. 1,644 parts left

PTS: 1 DIF: Medium

95. First Fidelity charges \$11,144 interest on a loan of \$28,600. What equal payments must be made in order to pay back the loan plus interest in 36 months?

ANS:
\$1,104

PTS: 1 DIF: Easy

96. A 2,300 acre farm was sold for \$963,500. If the house and equipment are worth \$188,400 and the land represents the balance, what was the price paid per acre for the land?

ANS:
\$337

PTS: 1 DIF: Medium

97. A flatbed railroad car weighs 175 tons empty, and 527 tons loaded with 22 trailers. How many tons does each trailer weigh?

ANS:
16 tons

PTS: 1 DIF: Medium

98. Last month, George Griscom harvested 325 bushels of tomatoes, 218 bushels of carrots, and 560 bushels of cucumbers. He sold the entire harvest to Produce, Inc. The tomatoes brought \$4 per bushel; the carrots, \$3 per bushel; and the cucumbers \$2 per bushel. If George's expenses amounted to \$989, how much was his profit?

ANS:
\$2,085

PTS: 1 DIF: Medium

99. You are hosting a reception. The meal will cost \$22 per person; entertainment will cost \$1,500; facility rental is \$750; invitations and decoration costs are \$1,230; and other expenses amount to \$930

- Calculate the cost if 210 guests plan to attend.
- What is the cost per guest?

ANS:

- \$9,030
- \$43

PTS: 1 DIF: Difficult

100. Accu-Temp charges \$19 per hour for accounting employees. These employees are paid \$11 per hour. If Accu-Temp has 25 accounting employees, each working a 32- hour week, how much profit did the company make last week?

ANS:
\$6,400

PTS: 1 DIF: Difficult

101. The O'Brien Company purchased a new building for \$185,500. After a down payment of \$38,800, the balance was paid in equal monthly payments, with no interest
- If the loan was paid off in 3 years, how much were the monthly payments?
 - If the loan was paid off in 5 years, how much less were the monthly payments?

ANS:

- \$4,075
- \$1,630

PTS: 1 DIF: Difficult

102. A contestant agreed to split her prize money equally with her family. There are 11 members in her family, including the contestant. If she won \$275,000, how much money will each family member receive?

ANS:
\$25,000

PTS: 1 DIF: Easy

103. Kiah's catering service figured that each party member would use the following items per person; 3 cups, 5 napkins, 4 forks, 2 knives and 3 spoons. If Kiah is catering a party for 150 people, how many total items will she need to supply the party?

ANS:
2,550 items

PTS: 1 DIF: Medium