Exam

Name_____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Subtract and check the difference.
1)
     569
   – 544

   A) 1113   B) 25   C) 17   D) -75

1) _____

Answer: B

Provide an appropriate response.
2) The ten thousands position is to the right of the hundreds position.
   A) True   B) False

2) _____

Answer: B

3) In division, the number being divided is called the dividend.
   A) True   B) False

3) _____

Answer: A

Add the integers.
4) -18 + 64
   A) 56   B) 82   C) 38   D) 46

4) _____

Answer: D

Write as a number.
5) Forty thousand, two hundred forty-five.
   A) 40,045   B) 4245   C) 400,245   D) 40,245

5) _____

Answer: D

Provide an appropriate response.
6) Estimating the answer, before calculating the exact answer, in some situations is beneficial.
   A) True   B) False

6) _____

Answer: A

Perform the operation by applying the standard order of operations for a series of calculations.
7) $8 + 16 \div 4 \times 2 - 3$
   A) 13   B) 9   C) 19   D) 29

7) _____

Answer: A

Subtract the integers.
8) -17 - (65)
   A) -83   B) -72   C) -82   D) -81

8) _____

Answer: C

Provide an appropriate response.

9) Our number system is made up of eleven digits (0 through 10).   9) _____

    A) True   B) False

    Answer: B

Mentally estimate the sum by rounding each number to the first digit.

10)   10) _____

    789
    770
    194
    168
  + 503
    ―――

    A) 2420   B) 2500   C) 2424   D) 2400

    Answer: B

Provide an appropriate response.

11) If the answer in division does not come out evenly, the difference is called the: 11) _____

    A) remainder   B) quotient   C) divisor   D) dividend

    Answer: A

12) In a division problem that comes out evenly (with no remainder), the dividend always equals the _____ times the _____.   12) _____

    A) quotient, remainder   B) divisor, quotient
    C) remainder, divisor   D) dividend, divisor

    Answer: B

13) Starting at the right side of a number, commas are used to separate the number into groups of three digits.   13) _____

    A) True   B) False

    Answer: A

Add to get the exact answer.

14) 724 + 928 + 95 + 9354   14) _____

    A) 10,091   B) 10,001   C) 10,991   D) 11,101

    Answer: D

Provide an appropriate response.

15) When applying the standard order of operations to a series of operations, which of the following operations would you perform first?   15) _____

    A) division   B) any operation inside parentheses
    C) addition   D) multiplication

    Answer: B

Write as a number.

16) Round 1931 to hundreds.   16) _____

    A) 1900   B) 1910   C) 2000   D) 1800

    Answer: A

Provide an appropriate response.

17) The divisor plus the quotient plus the remainder equals the dividend.   17) _____
    A) True   B) False

    Answer: B

18) To add two integers with unlike signs: 18) _____
    A) add and keep the sign of the smaller value
    B) add and use the sign of the larger value
    C) subtract and the answer is positive
    D) subtract and use the sign of the larger value

    Answer: D

Write as a number.

19) Six hundred eighty-six thousand, six hundred twenty-three.   19) _____
    A) 608,623   B) 600,086,623   C) 686,623   D) 680,623

    Answer: C

Divide and check the quotient.

20) $-340 \div 34$ 20) _____
    A) -11   B) -26   C) -10   D) 10

    Answer: C

Write as a number.

21) Round 600 to thousands.   21) _____
    A) 10,000   B) 100   C) 100,000   D) 1000

    Answer: D

Provide an appropriate response.

22) The addend is the total of the sums.   22) _____
    A) True   B) False

    Answer: B

23) Our number system is based on ten.   23) _____
    A) True   B) False

    Answer: A

24) The problem-solving strategy includes: 24) _____
    I. identifying what you know
    II. knowing what you are looking for
    III. performing the solution plan
    A) I   B) II   C) all of these   D) III

    Answer: C

Write as a number.

25) Two million, eleven.   25) _____
    A) 2,000,011   B) 211,000,000   C) 2,110,000   D) 20,00,011

    Answer: A

Add to get the exact answer.

26)
```
   64,657
    5720
+  37,790
```
      A) 108,167   B) 108,267   C) 109,267   D) 107,167

26) _____

      Answer: A

Solve the problem.

27) A company had net revenues of $8,400,585 in one year. Write the words used to read the revenues.
    A) eight million, four hundred thousand, five hundred eighty-five
    B) eight million, forty thousand, five hundred eighty-five
    C) eight million, four hundred thousand, five thousand, eighty-five
    D) eight million, four thousand, five hundred eighty-five

27) _____

      Answer: A

Perform the operation by applying the standard order of operations for a series of calculations.

28) 240 ÷ 6 - 4
      A) 230   B) 36   C) 120   D) 238

28) _____

      Answer: B

Solve the problem.

29) A certain exotic sports car costs three hundred twelve thousand, nine hundred ninety-five dollars. Write as a number.
      A) 3,209,950   B) 312,995,000   C) 312,995   D) 31,295

29) _____

      Answer: C

Multiply and check the product.

30) 853 by 64
      A) 54,602   B) 54,582   C) 54,592   D) 54,692

30) _____

      Answer: C

Provide an appropriate response.

31) Adding the minuend and the subtrahend, in a subtraction problem, is one way of proving your answer.
      A) True   B) False

31) _____

      Answer: B

Write the words used to read the number.

32) 534,060
    A) fifty-three million, four thousand, sixty   B) fifty-three thousand, four hundred sixty
    C) five hundred thirty-four thousand, sixty   D) five thousand, thirty-four hundred six

32) _____

      Answer: C

Solve the problem.

33) Jack borrowed $1070 from his brother. Jack's brother wants 12 monthly payments of $100 to repay the loan. How much extra is Jack's brother charging for the loan?
      A) $30   B) $1300   C) $130   D) $1200

33) _____

      Answer: C

Provide an appropriate response.

34) You must first regroup the digits in the minuend, when it becomes necessary to subtract a digit   34) _____
from a smaller digit.
  A) True   B) False

Answer: A

35) If the digit to the right of the number that you are rounding is less than 5:   35) _____
  A) round the number down   B) keep the number the same
  C) round the number up   D) add 1 to the number

Answer: B

Solve the problem.

36) Brandy's Gift House pays employees for each gift they gift wrap. Assume they are paid as follows: 36) _____
        gifts 1-10 $10 each
        gifts 11-15 $13 each
        gifts 16 and up $22 each
  If Lee wraps 13 gifts, what are her gross earnings?
  A) $169   B) $139   C) $166   D) $130

Answer: B

Mentally estimate the sum by rounding each number to the first digit.

37)   37) _____
      8851
        49
       795
    + 2407
   _____

  A) 12,100   B) 12,102   C) 11,850   D) 12,110

Answer: C

Provide an appropriate response.

38) Commas separate every three digits from left to right.   38) _____
  A) True   B) False

Answer: B

Divide and check the quotient.

39) 48) 7008   39) _____
  A) 147   B) 38   C) 39   D) 146

Answer: D

Write as a number.

40) Round 388 to tens.   40) _____
  A) 380   B) 490   C) 390   D) 400

Answer: C

41) Round 8435 to thousands.   41) _____
  A) 9000   B) 7900   C) 8100   D) 8000

Answer: D

Provide an appropriate response.

42) The first step in rounding is to identify the digit to be rounded. 42) _____
    A) True   B) False

Answer: A

43) The product is equal to the multiplicand times the multiplier. 43) _____
    A) True   B) False

Answer: A

Solve the problem.

44) Gina is buying a used car that has an advertised price of $2500. She is buying the car on credit and must make a down payment of $1200 and 18 monthly payments of $108. What is the total cost of the car? 44) _____
    A) $3144   B) $3036   C) $2608   D) $3252

Answer: A

Write as a number.

45) Round 31,675 to tens. 45) _____
    A) 31,690   B) 31,670   C) 31,680   D) 31,780

Answer: C

Subtract and check the difference.

46) 46) _____

$$\begin{array}{r} 98 \\ -\ 11 \\ \hline \end{array}$$

    A) 109   B) 107   C) 85   D) 87

Answer: D

Divide and check the quotient.

47) $(-8505) \div (-63)$ 47) _____
    A) 54   B) 136   C) 53   D) 135

Answer: D

Provide an appropriate response.

48) When rounding negative integers, the rules are: 48) _____
    A) first convert the integer to a positive whole number
    B) the same as for multiplying negative integers
    C) negative integers should not rounded
    D) the same as for rounding whole numbers

Answer: D

Multiply and check the product.

49) 49) _____

$$\begin{array}{r} 539 \\ \times\ 8 \\ \hline \end{array}$$

    A) 4312   B) 4212   C) 4412   D) 4322

Answer: A

Write the words used to read the number.

50) 69,000,595   50) _____
    A) six million, nine hundred thousand, five hundred ninety-five
    B) sixty-nine thousand, five hundred ninety-five
    C) sixty-nine million, five thousand, ninety-five
    D) sixty-nine million, five hundred ninety-five

Answer: D

Multiply and check the product.

51) (352)(7)   51) _____
    A) 2474   B) 2364   C) 2464   D) 2564

Answer: C

Perform the operation by applying the standard order of operations for a series of calculations.

52) ($25 + $45 + $75 + $85) ÷ 5   52) _____
    A) $51   B) $29   C) $46   D) $41

Answer: C

Provide an appropriate response.

53) In a division problem, the answer is said to consist of a divisor and a remainder when the result   53) _____
    does not come out even.
    A) True   B) False

Answer: B

54) The result or answer, in a subtraction problem, is the minuend.   54) _____
    A) True   B) False

Answer: B

55) Our number system is called the: 55) _____
    A) decimal system   B) place-value system
    C) metric system   D) digit system

Answer: A

56) When adding two negative integers: 56) _____
    I. add the numbers without regard to the signs
    II. assign a negative to the sum
    A) II   B) both I and II   C) I   D) neither I nor II

Answer: B

Divide and check the quotient.

57) 27 ÷ 3   57) _____
    A) 9   B) -10   C) 8   D) 10

Answer: A

Provide an appropriate response.

58) Our number system is made up of: 58) _____
    A) 11 digits (0 through 10)   B) 100 digits (1 through 100)
    C) 10 digits (0 through 9)   D) 10 digits (1 through 10)

Answer: C

Add the integers.

59) -5984 + (-7177)   59) _____

  A) -1751   B) -1626   C) -13,161   D) -1727

  Answer: C

Provide an appropriate response.

60) Rounding can be used to approximate an answer.   60) _____

  A) True   B) False

  Answer: A

Multiply and check the product.

61)   61) _____

    97
  × 3
  ‾‾‾‾‾

  A) 391   B) 280   C) 271   D) 291

  Answer: D

Solve the problem.

62) During one year 30 new employees started working at McIntosh Manufacturing Company. At the   62) _____
    beginning of the year there are 331 employees in the factory and 40 employees in the office. What is
    the total number of employees at the end of the year?

  A) 70 employees   B) 371 employees   C) 401 employees   D) 341 employees

  Answer: C

Multiply and check the product.

63) 9211 by 2   63) _____

  A) 18,522   B) 18,422   C) 18,322   D) 18,432

  Answer: B

Perform the operation by applying the standard order of operations for a series of calculations.

64) 24 - (9 + 11)   64) _____

  A) 4   B) 22   C) 44   D) 26

  Answer: A

Solve the problem.

65) A car company sold 4020 cars over the last 5 years. Round the number of cars to the nearest   65) _____
    hundred.

  A) 3900   B) 4100   C) 4010   D) 4000

  Answer: D

Provide an appropriate response.

66) Failure to indent the product is a common mistake in multiplication.   66) _____

  A) True   B) False

  Answer: B

67) In the multiplication problem 623 × 32 = 19,936, the number 623 is the multiplier.   67) _____

  A) True   B) False

  Answer: B

8

Write the words used to read the number.

68) 48,706
    A) forty thousand, eight hundred seventy six
    B) forty-eight thousand, seven hundred six
    C) forty thousand, seven hundred six
    D) forty-eight thousand, seven hundred sixty

68) _____

Answer: B

Provide an appropriate response.

69) A factor is a number involved in multiplication.
    A) True   B) False

69) _____

Answer: A

70) The original amount, in a subtraction problem, is called the:
    A) subtrahend   B) minuend   C) borrowing   D) difference

70) _____

Answer: B

71) The multiplicand is the answer to a multiplication problem.
    A) True   B) False

71) _____

Answer: B

Write as a number.

72) Round 12,470 to thousands.
    A) 22,000   B) 13,000   C) 12,000   D) 12,100

72) _____

Answer: C

73) Round 83,344 to hundreds.
    A) 83,400   B) 83,310   C) 83,300   D) 83,200

73) _____

Answer: C

Provide an appropriate response.

74) In division, the number doing the dividing is called the divisor.
    A) True   B) False

74) _____

Answer: A

75) A common mistake, in multiplication, is the failure to indent the:
    A) product   B) multiplicand
    C) multiplier   D) partial products

75) _____

Answer: D

Write as a number.

76) Fifty-seven billion, nine hundred five thousand.
    A) 57,905,000   B) 57,905,000,000   C) 57,000,905,000   D) 57,000,905

76) _____

Answer: C

Provide an appropriate response.

77) The value of a digit is based solely upon how large it is in relation to the other numbers.
    A) True   B) False

77) _____

Answer: B

Divide.

78) 15,524,400 ÷ 300   78) _____

    A) 517,480   B) 155,244   C) 103,496   D) 51,748

Answer: D

Provide an appropriate response.

79) Division offers a way of understanding how the parts fit together as a whole.   79) _____

    A) True   B) False

Answer: A

Write as a number.

80) Seven billion, two hundred fifty-two million, four hundred thirty-one thousand, eleven.   80) _____

    A) 7,252,431,011   B) 70,252,431,011

    C) 7,252,431,000,011   D) 7,252,431,110

Answer: A

Solve the problem.

81) In Cairo, Egypt, the average number of protestors in Tahrir Square at any given moment during the   81) _____
anti-Mubarak protests was 74,004. Round the number of protestors to the nearest thousand.

    A) 74,010   B) 74,000   C) 75,000   D) 74,100

Answer: B

Perform the operation by applying the standard order of operations for a series of calculations.

82) 32 - 8 × 3   82) _____

    A) 8   B) 160   C) 72   D) 56

Answer: A

Subtract and check the difference.

83)   83) _____

    7748
   - 3351

    A) 4315   B) 7397   C) 4395   D) 4397

Answer: D

Mentally estimate the sum by rounding each number to the first digit.

84)   84) _____

    89
    21
    36
    41
  + 45

    A) 200   B) 240   C) 232   D) 230

Answer: B

Provide an appropriate response.

85) When multiplying integers: 85) _____
   A) multiply and use the sign of the larger value
   B) multiply and use a positive sign if the two integers have different signs
   C) multiply and use the negative sign if the two integers have different signs
   D) multiply and make the product negative

   Answer: C

86) A shortcut to repeated addition is multiplication. 86) _____
   A) True   B) False

   Answer: A

Write as a number.

87) Seventy million, four hundred four thousand, five hundred eighty-five. 87) _____
   A) 70,000,404,585   B) 7,404,585   C) 74,004,585   D) 70,404,585

   Answer: D

88) Round 628 to hundreds. 88) _____
   A) 500   B) 610   C) 600   D) 700

   Answer: C

Divide and check the quotient.

89) -$70,649 ÷ 43 89) _____
   A) -$1633   B) -$1643   C) -$1648   D) -$1653

   Answer: B

Provide an appropriate response.

90) 47 × 1,000 means adding 3 zeros to the number being multiplied. 90) _____
   A) True   B) False

   Answer: A

91) Multiplying 137 by 1,000 means adding one zero to the number being multiplied. 91) _____
   A) True   B) False

   Answer: B

Solve the problem.

92) On a normal week day the vending machines at Green Lake College dispense 1200 sodas, 420 92) _____
   candy bars, 540 snack items, and 210 cups of coffee. If it takes Jim Lewis six hours to restock the
   vending machines, how many items does he restock each hour?
   A) 790 items   B) 395 items   C) 305 items   D) 325 items

   Answer: B

Provide an appropriate response.

93) How many zeros are affixed to the number to multiply it by 1000? 93) _____
   A) four   B) one   C) three   D) two

   Answer: C

94) Sums are numbers added together. 94) _____
   A) True   B) False

   Answer: B

Write as a number.

95) Round 7620 to the first digit.   95) _____
    A) 7890   B) 9000   C) 8100   D) 8000

    Answer: D

96) Round 81,001 to thousands.   96) _____
    A) 81,100   B) 81,010   C) 82,000   D) 81,000

    Answer: D

Provide an appropriate response.

97) Proper placement of the partial products is essential when multiplying numbers that contain more   97) _____
than 2 digits.
    A) True   B) False

    Answer: A

98) The reverse of multiplication is division.   98) _____
    A) True   B) False

    Answer: A

Write the words used to read the number.

99) 2,600,255   99) _____
    A) two million, six hundred thousand, two thousand, fifty-five
    B) two million, sixty thousand, two hundred fifty-five
    C) two million, six hundred thousand, two hundred fifty-five
    D) two million, six thousand, two hundred fifty-five

    Answer: C

Provide an appropriate response.

100) In division, the answer is called the: 100) _____
    A) quotient   B) remainder   C) dividend   D) divisor

    Answer: A

Add to get the exact answer.

101)   101) _____
$$\begin{array}{r} 39 \\ 745 \\ 4693 \\ + 16,123 \\ \hline \end{array}$$

    A) 21,600   B) 21,500   C) 21,580   D) 20,600

    Answer: A

Perform the operation by applying the standard order of operations for a series of calculations.

102) $12 \times 8 + 19 \times 10$ 102) _____
    A) 1150   B) 286   C) 2376   D) 3240

    Answer: B

Divide.
103) 6,417,600 ÷ 200   103) _____
    A) 64,176   B) 32,088   C) 96,264   D) 320,880
    Answer: B

Subtract the integers.
104) -31 - (-69)   104) _____
    A) 36   B) 78   C) 100   D) 38
    Answer: D

Provide an appropriate response.
105) Changing positional notation is the result of borrowing in subtraction.   105) _____
    A) True   B) False
    Answer: A

106) The value of a digit, in a number, is based on its position.   106) _____
    A) True   B) False
    Answer: A

Add the integers.
107) -474 + 858   107) _____
    A) 384   B) 376   C) 1332   D) 284
    Answer: A

Write as a number.
108) Three hundred million, nine hundred ninety-eight thousand, three hundred four.   108) _____
    A) 30,998,304   B) 300,998,000,304   C) 300,998,304   D) 3,998,304
    Answer: C

Divide and check the quotient.
109) 63$\overline{)89,712}$ 109) _____
    A) 1424   B) 1429   C) 1434   D) 1414
    Answer: A

Write as a number.
110) Three hundred twelve thousand, six hundred ninety-seven.   110) _____
    A) 312,697   B) 312,697,000   C) 3,206,970   D) 31,267
    Answer: A

Provide an appropriate response.
111) The hundreds position is to the right of the tens position.   111) _____
    A) True   B) False
    Answer: B

112) Estimating your answer, in a subtraction problem, is not as advantageous as in an addition   112) _____
    problem and should be avoided.
    A) True   B) False
    Answer: B

Multiply and check the product.

113)

     907
  ×   14

A) 1358   B) 12,698   C) 12,691   D) 12,705

113) _____

Answer: B

Solve the problem.

114) A baby weighed 6 pounds at birth and gained 2 pounds a month. How much did the baby gain in 3 months?

A) 12 lb   B) 6 lb   C) 24 lb   D) 11 lb

114) _____

Answer: B

Perform the operation by applying the standard order of operations for a series of calculations.

115) $28 + 2 \times 4$

A) 20   B) 120   C) 168   D) 36

115) _____

Answer: D

Write as a number.

116) Five million, nine hundred sixty-seven thousand, three hundred eighteen.

A) 59,067,318   B) 50,967,318   C) 5,967,318   D) 5,000,967,318

116) _____

Answer: C

Write the words used to read the number.

117) 3870

A) three thousand, eight hundred seven   B) thirty eight thousand, seventy
C) thirty eight hundred seven   D) three thousand, eight hundred seventy

117) _____

Answer: D

Add to get the exact answer.

118)

    6924
     563
      91
    5155
+ 3810

A) 15,443   B) 16,543   C) 15,533   D) 16,433

118) _____

Answer: B

Solve the problem.

119) Jose Ramirez, a salesperson for a chemical company, travelled 1711 miles on Monday, 429 miles on Tuesday, and 2045 miles on Thursday. Find the total number of miles he travelled during these three days.

A) 4085 mi   B) 3756 mi   C) 3327 mi   D) 4185 mi

119) _____

Answer: D

Divide and check the quotient.

120) 28,704 ÷ 52

    A) 552   B) 557   C) 562   D) 542

120) _____

Answer: A

Subtract the integers.

121) 25 - (-43)

    A) 86   B) 59   C) 77   D) 68

121) _____

Answer: D

Write as a number.

122) Forty eight thousand, eight hundred five.

    A) 480,805   B) 48,805   C) 4,885   D) 48,850

122) _____

Answer: B

Multiply and check the product.

123) (-$1544)(85)

    A) -$12,252   B) -$131,240   C) -$20,072   D) -$123,525

123) _____

Answer: B

Provide an appropriate response.

124) Zeros at the end of the multiplier or multiplicand should be added to the right of the product.

    A) True   B) False

124) _____

Answer: A

125) The sum is the answer or result of an addition problem.

    A) True   B) False

125) _____

Answer: A

126) McCormack Realty Company had an annual loss of $1,896. In order to find the average loss per month, the answer would be:

    A) negative, and a result of division   B) positive, and a result of multiplication
    C) negative, and a result of multiplication   D) positive, and a result of division

126) _____

Answer: A

Perform the operation by applying the standard order of operations for a series of calculations.

127) 240 ÷ 5 - 2

    A) 46   B) 233   C) 237   D) 80

127) _____

Answer: A

Solve the problem.

128) Sales at Andrea's Formal Wear Shop were $926 this week. This is $100 less than the sales last week. What were last week's sales?

    A) $1015   B) $1037   C) $826   D) $1026

128) _____

Answer: D

Perform the operation by applying the standard order of operations for a series of calculations.

129) 28 + 8 × 2 - 28

    A) 44   B) 0   C) 16   D) 10

129) _____

Answer: C

Provide an appropriate response.

130) If the digit to the right of the number that you are rounding is 5 or less, round the digit up.   130) _____

    A) True   B) False

Answer: B

Add to get the exact answer.

131)   131) _____

      4381
       795
         29
   + 7026

    A) 11,221   B) 12,121   C) 11,131   D) 12,231

Answer: D

Provide an appropriate response.

132) The integer -9,644 written as words is: 132) _____

       I. negative nine thousand, six hundred forty-four
       II. minus nine thousand, six hundred forty-four
       III. negative 9 thousand, six forty-four

    A) III only   B) I only   C) either I or II   D) II only

Answer: C

Multiply and check the product.

133)   133) _____

     3329
   ×   4

    A) 13,316   B) 13,416   C) 13,216   D) 13,326

Answer: A

Perform the operation by applying the standard order of operations for a series of calculations.

134) $3 \times 7 - 3$ 134) _____

    A) 12   B) 24   C) 63   D) 18

Answer: D

1) B
2) B
3) A
4) D
5) D
6) A
7) A
8) C
9) B
10) B
11) A
12) B
13) A
14) D
15) B
16) A
17) B
18) D
19) C
20) C
21) D
22) B
23) A
24) C
25) A
26) A
27) A
28) B
29) C
30) C
31) B
32) C
33) C
34) A
35) B
36) B
37) C
38) B
39) D
40) C
41) D
42) A
43) A
44) A
45) C
46) D
47) D
48) D
49) A
50) D

51) C
52) C
53) B
54) B
55) A
56) B
57) A
58) C
59) C
60) A
61) D
62) C
63) B
64) A
65) D
66) B
67) B
68) B
69) A
70) B
71) B
72) C
73) C
74) A
75) D
76) C
77) B
78) D
79) A
80) A
81) B
82) A
83) D
84) B
85) C
86) A
87) D
88) C
89) B
90) A
91) B
92) B
93) C
94) B
95) D
96) D
97) A
98) A
99) C
100) A

101) A
102) B
103) B
104) D
105) A
106) A
107) A
108) C
109) A
110) A
111) B
112) B
113) B
114) B
115) D
116) C
117) D
118) B
119) D
120) A
121) D
122) B
123) B
124) A
125) A
126) A
127) A
128) D
129) C
130) B
131) D
132) C
133) A
134) D