

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

Write a word name for the number in the sentence.

- 1) The weight of a full grown Great Pyrenees dog named Simba is 152.86 pounds. 1) \_\_\_\_\_  
A) One hundred fifty and two hundred eighty-six thousandths  
B) One hundred fifty-two and eighty-six thousandths  
C) One hundred fifty-two and eighty-six hundredths  
D) One thousand fifty-two and eighty-six tenths
- 2) When Sam joined his software company, their stock sold for \$37.23 per share. 2) \_\_\_\_\_  
A) Thirty-seven and twenty-three tenths  
B) Thirty-seven and twenty-three thousandths  
C) Thirty-seven and twenty-three hundredths  
D) Thirty-seven and twenty-three millionths
- 3) The volume of water in Lee's bottle is 3.593 liters. 3) \_\_\_\_\_  
A) Three and five hundred ninety-three thousandths  
B) Three and five hundred ninety-three hundredths  
C) Three and five hundred ninety-three tenths  
D) Three and five hundred ninety-three millionths
- 4) Last week, Jeremy's income after taxes was \$981.84 4) \_\_\_\_\_  
A) Nine hundred eighty-one and eighty-four tenths  
B) Nine hundred eighty-one and eighty-four millionths  
C) Nine hundred eighty-one and eighty-four hundredths  
D) Nine hundred eighty-one and eighty-four thousandths
- 5) The average cost of an Ink Jet Printer is \$375.07. 5) \_\_\_\_\_  
A) Three hundred and seven hundred fifty-seven thousandths  
B) Three hundred seventy-five and seven hundredths  
C) Three hundred seventy-five and seven tenths  
D) Three hundred seventy-five and seven thousandths
- 6) One ton is equal to 907.18 kilograms. 6) \_\_\_\_\_  
A) Nine hundred seven and eighteen hundredths  
B) Nine hundred seventy and eighteen hundredths  
C) Nine hundred seventy and eighteen thousandths  
D) Nine hundred seven and eighteen thousandths

- 7) One gallon is equal to 3.7853 liters. 7) \_\_\_\_\_  
 A) Three and seven thousand eight hundred fifty-three ten-thousandths  
 B) Three and seven thousand eight hundred fifty-three thousandths  
 C) Thirty seven thousand and eight hundred fifty-three hundredths  
 D) Thirty seven thousand and eight hundred fifty-three ten-thousandths
- 8) The sales tax rate in Boone County is 4.6 percent. 8) \_\_\_\_\_  
 A) Forty-six hundredths  
 B) Four and six tenths  
 C) Four and 6 hundredths  
 D) Forty-six thousandths
- 9) The average price of a large pizza in Chicago is \$16.5837. 9) \_\_\_\_\_  
 A) Sixteen and five thousand eight hundred thirty-seven thousandths  
 B) Sixteen and five thousand eight hundred thirty-seven tenths  
 C) Sixteen and five thousand eight hundred thirty-seven hundredths  
 D) Sixteen and five thousand eight hundred thirty-seven ten-thousandths
- 10) The average amount of rain in Seedwood, Iowa is 14.058 inches per year. 10) \_\_\_\_\_  
 A) Fourteen and fifty-eight hundredths  
 B) Fourteen and fifty-eight thousandths  
 C) Fourteen and fifty-eight tenths  
 D) Fourteen and fifty-eight ten-thousandths

Write a word name for the given decimal notation.

- 11) 4.3 11) \_\_\_\_\_  
 A) Four and three thousandth(s)  
 B) Four and three millionth(s)  
 C) Four and three hundredth(s)  
 D) Four and three tenth(s)
- 12) 8.88 12) \_\_\_\_\_  
 A) Eight and eighty-eight tenths  
 B) Eight and eighty-eight millionths  
 C) Eight and eighty-eight hundredths  
 D) Eight and eighty-eight thousandths
- 13) 65.43 13) \_\_\_\_\_  
 A) Sixty-five and forty-three thousandths  
 B) Sixty-five and forty-three tenths  
 C) Sixty-five and forty-three millionths  
 D) Sixty-five and forty-three hundredths
- 14) 419.25 14) \_\_\_\_\_  
 A) Four hundred nine and twenty-five hundredths  
 B) Four hundred nineteen and twenty-five tenths  
 C) Four hundred nineteen and twenty-five thousandths  
 D) Four hundred nineteen and twenty-five hundredths

- 15) 0.052 15) \_\_\_\_\_  
 A) Fifty-two hundred-thousandths B) Fifty-two thousandths  
 C) Fifty-two ten-thousandths D) Fifty-two hundredths
- 16) 9.773 16) \_\_\_\_\_  
 A) Nine and seven hundred seventy-three thousandths  
 B) Nine and seven hundred seventy-three millionths  
 C) Nine and seven hundred seventy-three tenths  
 D) Nine and seven hundred seventy-three hundredths
- 17) 0.1249 17) \_\_\_\_\_  
 A) One thousand two hundred forty-nine hundredths  
 B) One thousand two hundred forty-nine hundred-thousandths  
 C) One thousand two hundred forty-nine ten-thousandths  
 D) One thousand two hundred forty-nine thousandths
- 18) 3.00163 18) \_\_\_\_\_  
 A) Three and one hundred sixty-three millionths  
 B) Three and one hundred sixty-three thousandths  
 C) Three and one hundred sixty-three hundred-thousandths  
 D) Three and one hundred sixty-three tenths

Write fraction notation for the given decimal notation. Do not simplify.

- 19) 0.12 19) \_\_\_\_\_  
 A)  $\frac{12}{1000}$  B)  $\frac{1.2}{10}$  C)  $\frac{12}{100}$  D)  $\frac{12}{10}$
- 20) 1.6 20) \_\_\_\_\_  
 A)  $\frac{0.16}{10}$  B)  $\frac{1.6}{10}$  C)  $\frac{16}{100}$  D)  $\frac{16}{10}$
- 21) 34.6 21) \_\_\_\_\_  
 A)  $\frac{34.6}{10}$  B)  $\frac{346}{10}$  C)  $\frac{346}{100}$  D)  $\frac{34.6}{100}$
- 22) 0.300 22) \_\_\_\_\_  
 A)  $\frac{0.300}{1000}$  B)  $\frac{300}{10,000}$  C)  $\frac{300}{100}$  D)  $\frac{300}{1000}$
- 23) 77.012 23) \_\_\_\_\_  
 A)  $\frac{77.012}{10,000}$  B)  $\frac{77,012}{1000}$  C)  $\frac{77,012}{100}$  D)  $\frac{77.012}{1000}$

24) 12.24                      24) \_\_\_\_\_

A)  $\frac{1224}{10}$                       B)  $\frac{1224}{1000}$                       C)  $\frac{122.4}{100}$                       D)  $\frac{1224}{100}$

25) 505.6432                      25) \_\_\_\_\_

A)  $\frac{5,056,432}{100,000}$                       B)  $\frac{5,056,432}{10,000}$                       C)  $\frac{505.6432}{10,000}$                       D)  $\frac{5,056,432}{100}$

26) 0.00409                      26) \_\_\_\_\_

A)  $\frac{409}{1000}$                       B)  $\frac{409}{10,000}$                       C)  $\frac{409}{100,000}$                       D)  $\frac{409}{100}$

27) 1.0078                      27) \_\_\_\_\_

A)  $\frac{78}{10,000}$                       B)  $\frac{10,078}{1000}$                       C)  $\frac{10,078}{10,000}$                       D)  $\frac{178}{100}$

Write in decimal notation.

28)  $\frac{9}{10}$                       28) \_\_\_\_\_

A) 0.009                      B) 0.9                      C) 0.00009                      D) 0.09

29)  $\frac{41}{10}$                       29) \_\_\_\_\_

A) 0.41                      B) 4.1                      C) 410                      D) 0.041

30)  $\frac{334}{100}$                       30) \_\_\_\_\_

A) 33.4                      B) 0.330                      C) 3.34                      D) 0.334

31)  $\frac{515}{1000}$                       31) \_\_\_\_\_

A) 51.5                      B) 5.15                      C) 0.0515                      D) 0.515

32)  $\frac{6915}{1000}$                       32) \_\_\_\_\_

A) 0.06915                      B) 0.6915                      C) 6.915                      D) 69.15

33)  $\frac{1190}{100}$                       33) \_\_\_\_\_

A) 0.1190                      B) 11.90                      C) 119                      D) 1190

34)  $\frac{69}{10,000}$                       34) \_\_\_\_\_

A) 0.00069                      B) 0.0069                      C) 0.069                      D) 0.000069

- 35)  $\frac{83,483}{100,000}$  35) \_\_\_\_\_  
 A) 0.083483 B) 0.83483 C) 83.483 D) 8.3483
- 36)  $\frac{15,453}{10,000}$  36) \_\_\_\_\_  
 A) 0.015453 B) 0.15453 C) 1.5453 D) 15.453
- 37)  $\frac{61,626}{1,000,000}$  37) \_\_\_\_\_  
 A) 6.1626 B) 0.61626 C) 0.061626 D) 61.626
- 38)  $70\frac{811}{1000}$  38) \_\_\_\_\_  
 A) 140.811 B) 70.0811 C) 78.11 D) 70.811
- 39)  $79\frac{22}{100}$  39) \_\_\_\_\_  
 A) 81.2 B) 79.0022 C) 79.022 D) 79.22
- 40)  $84\frac{7411}{10,000}$  40) \_\_\_\_\_  
 A) 84.007411 B) 91.411 C) 84.7411 D) 84.07411
- 41)  $1450\frac{320,081}{1,000,000}$  41) \_\_\_\_\_  
 A) 1453.20081 B) 1450.0320081 C) 1450.320081 D) 1450.00320081

Answer the question.

- 42) Which number is larger? 42) \_\_\_\_\_  
 A) 0.97 B) 0.91
- 43) Which number is larger? 43) \_\_\_\_\_  
 A) 0.1 B) 0.09999
- 44) Which number is larger? 44) \_\_\_\_\_  
 A) 0.853 B) 0.91
- 45) Which number is larger? 45) \_\_\_\_\_  
 A) 0.917 B) 0.9171
- 46) Which number is larger? 46) \_\_\_\_\_  
 A) 0.72059 B) 0.7206

- |   |  |           |
|---|--|-----------|
| 47) Which number is larger?<br>A) 27.1231                                       | B) 27.1138                             | 47) _____ |
| 48) Which number is larger?<br>A) 0.8006  | B) 0.8005                              | 48) _____ |
| 49) Which number is larger?<br>A) 0.02  | B) 0.0099                              | 49) _____ |
| 50) Which number is larger?<br>A) 9.701   | B) 9.71                                | 50) _____ |
| 51) Which number is larger?<br>A) 317.001                                       | B) 317.00099                           | 51) _____ |
| 52) Which number is larger?<br>A) $\frac{63}{100}$                              | B) 0.063                               | 52) _____ |
| 53) Which number is larger?<br>A) 0.066   | B) $\frac{66}{10,000}$                 | 53) _____ |
| 54) Which number is larger?<br>A) $\frac{44}{1000}$                             | B) 0.44                                | 54) _____ |
| 55) Which number is larger?<br>A) 0.67  | B) $\frac{67}{10}$                     | 55) _____ |
| Round to the indicated place value.   |  |           |
| 56) Round to the nearest tenth: 1.27<br>A) 1.2                      B) 1.4      | C) 1.3                      D) 1       | 56) _____ |
| 57) Round to the nearest tenth: 12.363<br>A) 12.5                      B) 12.4  | C) 12.3                      D) 12.36  | 57) _____ |
| 58) Round to the nearest tenth: 1.6318<br>A) 1.63                      B) 1.6   | C) 1.7                      D) 1.5     | 58) _____ |
| 59) Round to the nearest tenth: 137.77<br>A) 137                      B) 137.77 | C) 137.8                      D) 137.7 | 59) _____ |

- |  |            |            |            |             |           |
|--|------------|------------|------------|-------------|-----------|
| 60) Round to the nearest hundredth: 0.996      | A) 1.00    | B) 1.10    | C) 0.99    | D) 1.09     | 60) _____ |
| 61) Round to the nearest hundredth: 1.764      | A) 1.8     | B) 1.76    | C) 1.75    | D) 1.77     | 61) _____ |
| 62) Round to the nearest hundredth: 8.5228     | A) 8.522   | B) 8.53    | C) 8.523   | D) 8.52     | 62) _____ |
| 63) Round to the nearest hundredth: 11.57847   | A) 11.5785 | B) 11.578  | C) 11.58   | D) 11.59    | 63) _____ |
| 64) Round to the nearest hundredth: 0.1041     | A) 0.104   | B) 0.11    | C) 0.10    | D) 0.1041   | 64) _____ |
| 65) Round to the nearest hundredth: 630.3484   | A) 630     | B) 631.35  | C) 630.34  | D) 630.35   | 65) _____ |
| 66) Round to the nearest thousandth: 1.6282    | A) 1.62    | B) 1.63    | C) 1.628   | D) 1.629    | 66) _____ |
| 67) Round to the nearest thousandth: 69.5116   | A) 69.513  | B) 69.51   | C) 69.512  | D) 69.511   | 67) _____ |
| 68) Round to the nearest thousandth: 4.09874   | A) 4.0987  | B) 4.100   | C) 4.099   | D) 4.098    | 68) _____ |
| 69) Round to the nearest thousandth: 15.38568  | A) 15.3856 | B) 15.386  | C) 15.39   | D) 15.3857  | 69) _____ |
| 70) Round to the nearest thousandth: 0.102312  | A) 0.11    | B) 0.10    | C) 0.1023  | D) 0.102    | 70) _____ |
| 71) Round to the nearest thousandth: 0.3899    | A) 0.399   | B) 0.400   | C) 0.390   | D) 0.380    | 71) _____ |
| 72) Round to the nearest thousandth: 6.49993   | A) 6.500   | B) 6.590   | C) 6.490   | D) 7.000    | 72) _____ |
| 73) Round to the nearest thousandth: 310.79892 | A) 310.800 | B) 310.798 | C) 310.799 | D) 310.7989 | 73) _____ |

- 74) Round to the nearest thousandth: 4.99961  
 A) 5.000                      B) 4.990                      C) 4.900                      D) 4.9996                      74) \_\_\_\_\_
- 75) Round to the nearest ten thousandth: 17.78678  
 A) 17.7868                      B) 17.7867                      C) 17.787                      D) 17.79                      75) \_\_\_\_\_
- 76) Round to the nearest one: 62.8  
 A) 63                                      B) 64                                      C) 62                                      76) \_\_\_\_\_
- 77) Round to the nearest ten: 92.4  
 A) 90                                      B) 89                                      C) 91                                      77) \_\_\_\_\_
- 78) Round to the nearest one: 719.759  
 A) 719.8                                      B) 719                                      C) 720                                      78) \_\_\_\_\_
- 79) Round to the nearest hundred: 886.194  
 A) 800                                      B) 890                                      C) 900                                      79) \_\_\_\_\_
- 80) Round to the nearest one: 3,999.73  
 A) 3,999                                      B) 4,000                                      C) 3,999.7                                      80) \_\_\_\_\_
- 81) Round to the nearest one: 341.17  
 A) 341.20                                      B) 341                                      C) 342                                      81) \_\_\_\_\_
- 82) Round to the nearest one: 8189.83  
 A) 8189.8                                      B) 8190                                      C) 8189                                      82) \_\_\_\_\_
- 83) Round to the nearest hundred: 21,433.23  
 A) 21,300                                      B) 21,400                                      C) 21,430                                      83) \_\_\_\_\_
- 84) Round to the nearest ten: 19,725.23  
 A) 19,700                                      B) 19,600                                      C) 19,730                                      84) \_\_\_\_\_
- Add.  
 85) 
$$\begin{array}{r} 694.25 \\ + 16.89 \\ \hline \end{array}$$
                                      85) \_\_\_\_\_
- A) 711.04                      B) 711.03                      C) 711.14                      D) 711.13



86)

$$\begin{array}{r} 759.334 \\ + 19.902 \\ \hline \end{array}$$

A) 779.226

B) 779.136

C) 779.235

D) 779.236

86)

\_\_\_\_\_

87)

$$\begin{array}{r} 4.824 \\ + 785.936 \\ \hline \end{array}$$

A) 790.750

B) 790.759

C) 790.760

D) 790.660

87)

\_\_\_\_\_

88)

$$\begin{array}{r} 190.366 \\ + 884.464 \\ \hline \end{array}$$

A) 1074.830

B) 1074.820

C) 1074.730

D) 1074.829

88)

\_\_\_\_\_

89)

$$\begin{array}{r} 6.0037 \\ + 5.5131 \\ \hline \end{array}$$

A) 11.5168

B) 11.5368

C) 11.5158

D) 11.4158

89)

\_\_\_\_\_

90)

$$\begin{array}{r} 934.3264 \\ 8.806 \\ 62.62 \\ + 6065.001 \\ \hline \end{array}$$

A) 7070.7524

B) 7070.7434

C) 7070.7534

D) 7070.8544

90)

\_\_\_\_\_

91)

$$\begin{array}{r} 8.74 \\ 0.53 \\ + 48.22 \\ \hline \end{array}$$

A) 56.59

B) 56.49

C) 57.49

D) 57.59

91)

\_\_\_\_\_

92)

$$\begin{array}{r} 0.02 \\ 170.53 \\ + 5.26 \\ \hline \end{array}$$

A) 175.71

B) 176.71

C) 176.81

D) 175.81

92)

\_\_\_\_\_

- 93) 
$$\begin{array}{r} 243.002 \\ 24.072 \\ + 0.002 \\ \hline \end{array}$$
- A) 267.086      B) 267.186      C) 267.076      D) 267.176      93) \_\_\_\_\_
- 94) 
$$\begin{array}{r} 26.100 \\ 27.860 \\ + 0.681 \\ \hline \end{array}$$
- A) 55.641      B) 55.841      C) 54.841      D) 54.641      94) \_\_\_\_\_
- 95)  $4.9514 + 3.9563$
- A) 9.0077      B) 8.8977      C) 8.9077      D) 8.9067      95) \_\_\_\_\_
- 96)  $0.287 + 8.1$
- A) 8.388      B) 8.387      C) 8.377      D) 8.497      96) \_\_\_\_\_
- 97)  $3.7 + 0.619 + 45$
- A) 45.989      B) 8.819      C) 54.89      D) 49.319      97) \_\_\_\_\_
- 98)  $61.17 + 5 + 90.74 + 44.008$
- A) 200.928      B) 201.018      C) 201.918      D) 200.918      98) \_\_\_\_\_
- 99)  $38 + 6.3 + 20.569 + 2.06$
- A) 66.929      B) 67.929      C) 66.93      D) 67.029      99) \_\_\_\_\_
- 100)  $363.1 + 0.23 + 54.78 + 54 + 6.2$
- A) 479.31      B) 478.41      C) 478.31      D) 478.32      100) \_\_\_\_\_
- 101)  $67.33 + 4.102 + 6.382 + 7.74$
- A) 86.554      B) 85.654      C) 85.554      D) 85.564      101) \_\_\_\_\_
- 102)  $84.596 + 29.6 + 3.11 + 22.34$
- A) 139.656      B) 139.646      C) 139.746      D) 140.646      102) \_\_\_\_\_
- 103)  $59.05339 + 152 + 2.924 + 86.08 + 3.5934$
- A) 304.65079      B) 303.66079      C) 303.65079      D) 303.75079      103) \_\_\_\_\_
- 104)  $649.57 + 0.9994 + 49 + 6.99524 + 64.824$
- A) 771.48864      B) 770.38924      C) 771.38764      D) 771.38864      104) \_\_\_\_\_

Subtract.

105)

$$\begin{array}{r} 9.80 \\ - 0.13 \\ \hline \end{array}$$

A) 10.67

B) 9.67

C) 9.77

D) 9.7

105) \_\_\_\_\_

106)

$$\begin{array}{r} 15.30 \\ - 9.42 \\ \hline \end{array}$$

A) 6.88

B) 5.62

C) 6.98

D) 5.88

106) \_\_\_\_\_

107)

$$\begin{array}{r} 9.974 \\ - 8.95 \\ \hline \end{array}$$

A) 1.024

B) 1.023

C) 1.124

D) 1.034

107) \_\_\_\_\_

108)

$$\begin{array}{r} 9.4 \\ - 1.546 \\ \hline \end{array}$$

A) 8.854

B) 7.946

C) 9.000

D) 7.854

108) \_\_\_\_\_

109)

$$\begin{array}{r} 67 \\ - 9.35 \\ \hline \end{array}$$

A) 76.35

B) 57.65

C) 57.75

D) 57.15

109) \_\_\_\_\_

110)

$$\begin{array}{r} 1.4 \\ - 0.0004 \\ \hline \end{array}$$

A) 1.4096

B) 1.396

C) 1.9996

D) 1.3996

110) \_\_\_\_\_

111)

$$\begin{array}{r} 8.1164 \\ - 0.1624 \\ \hline \end{array}$$

A) 7.9650

B) 7.9440

C) 7.9550

D) 7.9540

111) \_\_\_\_\_

- 112) 
$$\begin{array}{r} 32.420 \\ - 19.738 \\ \hline \end{array}$$
 112) \_\_\_\_\_
- A) 14.000      B) 12.682      C) 12.698      D) 12.692
- 113) 
$$\begin{array}{r} 4.36 \\ - 0.9816 \\ \hline \end{array}$$
 113) \_\_\_\_\_
- A) 3.3774      B) 3.3783      C) 3.38      D) 3.3784
- 114) 
$$\begin{array}{r} 4243.06611 \\ - 1.477 \\ \hline \end{array}$$
 114) \_\_\_\_\_
- A) 4241.58912      B) 4241.59011      C) 4241.58911      D) 4241.58921
- 115) 11.9 - 1.5 115) \_\_\_\_\_
- A) 10.5      B) 10.4      C) 13.4      D) 14.4
- 116) 9.23 - 4.642 116) \_\_\_\_\_
- A) 14.872      B) 13.872      C) 4.588      D) 4.688
- 117) 105.26 - 0.9804 117) \_\_\_\_\_
- A) 104.2796      B) 104.2795      C) 104.28      D) 104.2786
- 118) 5.264 - 2.92 118) \_\_\_\_\_
- A) 2.444      B) 2.343      C) 2.354      D) 2.344
- 119) 8.309 - 4.6 119) \_\_\_\_\_
- A) 3.699      B) 3.609      C) 3.709      D) 4.709
- 120) 16.500 - 2.220 120) \_\_\_\_\_
- A) 14.380      B) 18.720      C) 14.180      D) 14.280
- 121) 44 - 0.0954 121) \_\_\_\_\_
- A) 43.4046      B) 43.9046      C) 44.0046      D) 44.0954
- 122) 2.1 - 0.0004 122) \_\_\_\_\_
- A) 2.0996      B) 2.096      C) 2.1096      D) 1.9996
- 123) 4207.36 - 9.864 123) \_\_\_\_\_
- A) 4108.72      B) 4109.72      C) 4198.50      D) 4197.496

124)  $85.2758 - 37.3334$

A) 48.9424

B) 47.9324

C) 47.9424

D) 47.8424

124) \_\_\_\_\_

Solve.

125)  $x + 16.3 = 38.5$

A) 26.2

B) 22.2

C) 21.7

D) 23.2

125) \_\_\_\_\_

126)  $x + 15.7 = 30.03$

A) 14.25

B) 17.45

C) 15.03

D) 14.33

126) \_\_\_\_\_

127)  $12.835 + m = 27.846$

A) 15.004

B) 15.101

C) 13.041

D) 15.011

127) \_\_\_\_\_

128)  $22.68 + p = 344.26$

A) 221.58

B) 321.58

C) 331.58

D) 164.58

128) \_\_\_\_\_

129)  $t + 2.807 = 4.3$

A) 1.507

B) 3.000

C) 1.493

D) 2.493

129) \_\_\_\_\_

130)  $0.2881 + t = 4.37$

A) 4.08

B) 4.0809

C) 4.0819

D) 4.0818

130) \_\_\_\_\_

131)  $16,442.6 = w + 3112.54$

A) 13,330.06

B) 14,330.06

C) 13,130.06

D) 13,380.06

131) \_\_\_\_\_

132)  $49,413.7 = 9099.958 + z$

A) 40,213.342

B) 40,313.742

C) 40,370.752

D) 40,263.742

132) \_\_\_\_\_

133)  $55,820 = y + 8468.9$

A) 48,351.1

B) 47,451.5

C) 47,351.1

D) 37,351.1

133) \_\_\_\_\_

134)  $96,054.2 = y + 6415$

A) 89,599.2

B) 89,739.7

C) 89,639.2

D) 88,639.2

134) \_\_\_\_\_

Below are entries in a checkbook. Find the errors in the balance calculations and report the correct final balance for your answer.

135)

135) \_\_\_\_\_

NUMBER	DATE	DESCRIPTION OF TRANSACTION	PAYMENT/ DEBIT	DEPOSIT/ CREDIT	BALANCE
					7961.43
614	11/2	At Home Shopping Club	61.07		7900.36
	11/15	Deposit <Paycheck>		1300.00	9240.36
615	11/16	Mathematical Assoc.	181.35		9059.01
616	11/18	Dave's Patio Store	121.77		9180.78
	11/20	Deposit <My University>		150.00	9330.78

A) \$6875.62

B) \$9047.24

C) \$9087.24

D) \$6690.78

136)

136) \_\_\_\_\_

NUMBER	DATE	DESCRIPTION OF TRANSACTION	PAYMENT/ DEBIT	DEPOSIT/ CREDIT	BALANCE
					7700.39
1484	11/2	Debbie Smith	84.51		7615.88
	11/15	Deposit <Paycheck>		1500.00	9115.88
1485	11/16	Marty Wilson	174.49		8891.39
	11/18	Deposit <Sale of my couch>		100.00	8791.39
	11/20	Deposit <Gift from Greg>		113.83	8844.56

A) \$6559.39

B) \$9105.22

C) \$9155.22

D) \$9041.39

Multiply.

137)

137) \_\_\_\_\_

$$\begin{array}{r} 80 \\ \times 0.1 \\ \hline \end{array}$$

A) 8.11

B) 80.1

C) 9.1

D) 8

138)

138) \_\_\_\_\_

$$\begin{array}{r} 4.8 \\ \times 0.6 \\ \hline \end{array}$$

A) 2.88

B) 3.98

C) 2.99

D) 5.4

139)

139) \_\_\_\_\_

$$\begin{array}{r} 0.005 \\ \times 8 \\ \hline \end{array}$$

A) 0.04

B) 0

C) 8

D) 8.005

140)

140) \_\_\_\_\_

$$\begin{array}{r} 95.4 \\ \times 5.8 \\ \hline \end{array}$$

A) 553.43

B) 553.32

C) 554.42

D) 101.2

141)

$$\begin{array}{r} 668 \\ \times 0.868 \\ \hline \end{array}$$

A) 579.924

B) 579.935

C) 579.824

D) 579.934

141) \_\_\_\_\_

142)

$$\begin{array}{r} 7.1 \\ \times 495 \\ \hline \end{array}$$

A) 3515.6

B) 3514.5

C) 3514.6

D) 3514.61

142) \_\_\_\_\_

143)

$$\begin{array}{r} 12.72 \\ \times 0.0074 \\ \hline \end{array}$$

A) 0.094128

B) 0.104128

C) 0.084128

D) 0.194128

143) \_\_\_\_\_

144)

$$\begin{array}{r} 0.905 \\ \times 0.07 \\ \hline \end{array}$$

A) 0.006335

B) 6.335

C) 0.0006335

D) 0.06335

144) \_\_\_\_\_

145)

$$\begin{array}{r} 0.066 \\ \times 0.95 \\ \hline \end{array}$$

A) 0.00627

B) 6.27

C) 0.0627

D) 0.000627

145) \_\_\_\_\_

146)

$$\begin{array}{r} 0.0075 \\ \times 5.1 \\ \hline \end{array}$$

A) 0.003825

B) 0.03825

C) 0.0003825

D) 0.3825

146) \_\_\_\_\_

147)

$$\begin{array}{r} 4.1 \\ \times 7 \\ \hline \end{array}$$

A) 0.287

B) 28.7

C) 287

D) 2.87

147) \_\_\_\_\_

148)

$$\begin{array}{r} 14.3 \\ \times 0.01 \\ \hline \end{array}$$

A) 0.14

B) 0.0143

C) 14.3

D) 0.143

148) \_\_\_\_\_

149)

$$\begin{array}{r} 674 \\ \times 2.44 \\ \hline \end{array}$$

A) 16,445.6

B) 1644.56

C) 16.4456

D) 164.456

149) \_\_\_\_\_

150)

$$\begin{array}{r} 7.48 \\ \times 68 \\ \hline \end{array}$$

A) 5086.4

B) 50.864

C) 50,864

D) 508.64

150) \_\_\_\_\_

151)

$$\begin{array}{r} 26.78 \\ \times 4.86 \\ \hline \end{array}$$

A) 1301.508

B) 13,015.08

C) 13

D) 130.1508

151) \_\_\_\_\_

152)

$$\begin{array}{r} 6.875 \\ \times 22.116 \\ \hline \end{array}$$

A) 1520.475

B) 152.0475

C) 1.520475

D) 15.20475

152) \_\_\_\_\_

153)

$$\begin{array}{r} 62.3 \\ \times 0.724 \\ \hline \end{array}$$

A) 451.052

B) 4.51052

C) 4510.52

D) 45.1052

153) \_\_\_\_\_

154)

$$\begin{array}{r} 1.78 \\ \times 12.2 \\ \hline \end{array}$$

A) 2.1716

B) 0.21716

C) 21.716

D) 217.16

154) \_\_\_\_\_



- 155) 
$$\begin{array}{r} 14.03 \\ \times 0.000774 \\ \hline \end{array}$$
- A) 1.085922      B) 10.85922      C) 0.1085922      D) 0.01085922      155) \_\_\_\_\_
- 156) 
$$\begin{array}{r} 8.089 \\ \times 4.02 \\ \hline \end{array}$$
- A) 3.251778      B) 32.51778      C) 325.1778      D) 3251.778      156) \_\_\_\_\_
- 157)  $10 \times 14.937$
- A) 149.37      B) 1493.7      C) 1443.7      D) 169.37      157) \_\_\_\_\_
- 158)  $0.495 \times 10$
- A) 0.00495      B) 0.0495      C) 49.5      D) 4.95      158) \_\_\_\_\_
- 159)  $10 \times 0.0009841$
- A) 0.00009841      B) 0.09841      C) 0.9841      D) 0.009841      159) \_\_\_\_\_
- 160)  $100 \times 0.002256$
- A) 0.02256      B) 2.256      C) 0.2256      D) 0.00002256      160) \_\_\_\_\_
- 161)  $0.9392 \times 100$
- A) 93.92      B) 0.009392      C) 9.392      D) 939.2      161) \_\_\_\_\_
- 162)  $86.728 \times 100$
- A) 8622.8      B) 867.28      C) 887.28      D) 8672.8      162) \_\_\_\_\_
- 163)  $1000 \times 808.023595$
- A) 808,023.595      B) 8,080,235.95      C) 8080.23595      D) 80,802.3595      163) \_\_\_\_\_
- 164)  $0.40 \times 1000$
- A) 0.40      B) 40      C) 4000      D) 400      164) \_\_\_\_\_
- 165)  $0.000926 \times 1000$
- A) 0.926      B) 0.0926      C) 0.00926      D) 0.00000926      165) \_\_\_\_\_
- 166)  $6.147 \times 1000$
- A) 6147      B) 61.47      C) 61,470      D) 614.7      166) \_\_\_\_\_

167) $0.1 \times 70.37$ A) 0.7037	B) 703.7	C) 70.37	D) 7.037	167) _____
168) $0.01 \times 4770.09$ A) 4770.09	B) 47.7009	C) 4.77009	D) 477.009	168) _____
169) $0.583 \times 0.001$ A) 583	B) 0.00583	C) 0.0000583	D) 0.000583	169) _____
170) $7.76 \times 0.1$ A) 0.776	B) 0.0776	C) 77.6	D) 0.00776	170) _____
171) $0.001 \times 353.9$ A) 0.3539	B) 3.539	C) 0.03539	D) 0.0003539	171) _____
172) $0.01 \times 0.06749$ A) 0.6749	B) 0.0006749	C) 6.749	D) 0.006749	172) _____
173) $0.009979 \times 0.1$ A) 9.979	B) 0.0009979	C) 0.09979	D) 0.00009979	173) _____
174) $20,032.61 \times 0.001$ A) 20.03261	B) 2.003261	C) 200.3261	D) 2003.261	174) _____
175) $24.024 \times 0.01$ A) 0.024024	B) 240.24	C) 2.4024	D) 0.24024	175) _____
176) $57.7105 \times 0.001$ A) 5771.05	B) 0.0577105	C) 57,710.5	D) 0.00577105	176) _____
Convert from dollars to cents.				
177) \$5.77 A) 5870¢	B) 5770¢	C) 557¢	D) 577¢	177) _____
178) \$0.37 A) 3700¢	B) 370¢	C) 37¢	D) 3.7¢	178) _____
179) \$0.03 A) 300¢	B) 3¢	C) 0.3¢	D) 30¢	179) _____
180) \$78.54 A) 785.4¢	B) 785,400¢	C) 78,540¢	D) 7854¢	180) _____

181) \$282.93				181) _____
A) 28,293,000¢	B) 28,293¢	C) 2,829,300¢	D) 282,930¢	

Convert from cents to dollars.

182) 4¢				182) _____
A) \$0.40	B) \$0.04	C) \$0.004	D) \$40.00	

183) 86¢				183) _____
A) \$0.086	B) \$0.86	C) \$8.60	D) \$860.00	

184) 871¢				184) _____
A) \$8710.00	B) \$87.10	C) \$8.71	D) \$0.871	

185) 1808¢				185) _____
A) \$180.80	B) \$18,080.00	C) \$18.080	D) \$18.08	

186) 30,974¢				186) _____
A) \$30.974	B) \$3097.40	C) \$309,740.00	D) \$309.74	

Convert the number in the sentence to standard notation.

187) The total value of imports and exports for a certain country is \$236.1 billion.	187) _____
A) \$2,361,000,000,000	B) \$236,100,000,000,000
C) \$236,100,000,000	D) \$23,610,000,000

188) The total paid circulation of a certain gardening magazine is \$647.2 million.	188) _____
A) \$6,472,000,000	B) \$64,720,000
C) \$647,200,000,000	D) \$647,200,000

189) The net worth of a certain business is \$36.7 million.	189) _____		
A) \$36,700,000	B) \$36,007,000	C) \$360,007,000	D) \$360,700,000

190) The total sales of Acme Manufacturing Company for the last four years was \$2.9 billion.	190) _____
A) \$2,900,000,000	B) \$2,900,000,000,000
C) \$290,000	D) \$2,900,000

191) The total sales of Acme Manufacturing Company for the last four years was \$83.34 billion.	191) _____
A) \$83,340,000,000	B) \$833,400,000
C) \$83,340,000,000,000	D) \$83,340,000

192) The total sales of Acme Manufacturing Company for the last four years was \$4.3 million.	192) _____		
A) \$4,300,000	B) \$43,000,000	C) \$430,000	D) \$4,300,000,000

193) The total sales of Acme Manufacturing Company for the last four years was \$38.38 million. 193) \_\_\_\_\_  
 A) \$38,380,000 B) \$3,838,000  
 C) \$38,380,000,000 D) \$383,800,000

194) The average distance from Mars to the Sun is 227.9 million kilometers. 194) \_\_\_\_\_  
 A) 227,000,900,000 km B) 227,900,000 km  
 C) 227,009,000 km D) 227,090,000 km

195) The average distance from Mercury to the Sun is 57.9 million kilometers. 195) \_\_\_\_\_  
 A) 57,009,000 km B) 57,000,900 km C) 57,090,000 km D) 57,900,000 km

196) The average distance from Earth to the Sun is 149.6 million kilometers. 196) \_\_\_\_\_  
 A) 149,600,000 km B) 149,600,000,000 km  
 C) 149,600,000,000,000 km D) 149,600 km

Divide the following numbers.

197)  $7 \overline{)4.2}$  197) \_\_\_\_\_  
 A) 0.6 B) 6 C) 16 D) 1.6

198)  $7 \overline{)1.05}$  198) \_\_\_\_\_  
 A) 1.15 B) 1.5 C) 0.15 D) 11.5

199)  $7 \overline{)7.63}$  199) \_\_\_\_\_  
 A) 20.9 B) 2.09 C) 1.09 D) 10.9

200)  $10 \overline{)71.2}$  200) \_\_\_\_\_  
 A) 6.96 B) 7.42 C) 7.28 D) 7.12

201)  $1.03 \div 5$  201) \_\_\_\_\_  
 A) 1.206 B) 2.06 C) 12.06 D) 0.206

202)  $32 \overline{)23.68}$  202) \_\_\_\_\_  
 A) 0.82 B) 0.67 C) 0.74 D) 1.14

203)  $73 \overline{)43.8}$  203) \_\_\_\_\_  
 A) 0.6 B) 6 C) 1.6 D) 16

204)  $43 \overline{)670.8}$  204) \_\_\_\_\_  
 A) 15.6 B) 16.6 C) 166 D) 156

205) $3.4 \div 17$ A) 1.2	B) 2	C) 0.2	D) 12	205) _____
Divide.				
206) $4 \overline{)21}$ A) 5	B) 6.25	C) 0.525	D) 5.25	206) _____
207) $2 \overline{)31}$ A) 15.5	B) 16.5	C) 1.55	D) 0.065	207) _____
208) $5 \overline{)29}$ A) 0.172	B) 6	C) 5.8	D) 0.58	208) _____
209) $6 \overline{)81}$ A) 1.35	B) 14.5	C) 13.5	D) 0.074	209) _____
210) $8 \overline{)15}$ A) 0.533	B) 2.875	C) 1.875	D) 18.75	210) _____
211) $12 \overline{)63}$ A) 5	B) 5.25	C) 6.25	D) 0.19	211) _____
212) $15 \overline{)156}$ A) 11.4	B) 0.096	C) 10.4	D) 10	212) _____
213) $18 \overline{)27}$ A) 2.5	B) 1	C) 0.15	D) 1.5	213) _____
214) $0.01 \overline{)0.15}$ A) 1.5	B) 4	C) 16	D) 15	214) _____
215) $15.64 \div 4.6$ A) 4.4	B) 0.34	C) 34	D) 3.4	215) _____
216) $1.1 \overline{)8.8}$ A) 7	B) 8	C) 8.1	D) 7.9	216) _____
217) $3.2 \div 0.04$ A) 0.8	B) 8	C) 80	D) 0.08	217) _____

218) $0.08 \div 0.008$ A) 10	B) 0.1	C) 1	D) 0.01	218) _____
219) $336.99 \div 23.9$ A) 141	B) 1.41	C) 15.1	D) 14.1	219) _____
220) $3.7 \overline{)0.1813}$ A) 0.49	B) 0.051	C) 0.0051	D) 0.049	220) _____
221) $0.49 \overline{)0.1764}$ A) 0.36	B) 3.5	C) 0.35	D) 0.036	221) _____
222) $0.073 \overline{)0.1825}$ A) 25	B) 2.6	C) 26	D) 2.5	222) _____
223) $0.039 \overline{)0.16224}$ A) 41.6	B) 4.16	C) 0.416	D) 416	223) _____
224) $4 \div 0.05$ A) 8	B) 0.8	C) 0.08	D) 80	224) _____
225) $531 \div 22.5$ A) 2.36	B) 23.6	C) 24.6	D) 236	225) _____
226) $\frac{904.4636}{10}$ A) 90,446.36	B) 9044.636	C) 90.44636	D) 9.044636	226) _____
227) $\frac{7.59}{10}$ A) 75.9	B) 0.0759	C) 0.759	D) 0.00759	227) _____
228) $\frac{91.061}{100}$ A) 0.91061	B) 0.091061	C) 910.61	D) 9.1061	228) _____
229) $\frac{709.6722}{100}$ A) 7096.722	B) 70,967.22	C) 7.096722	D) 70.96722	229) _____

- 230)  $\frac{709.0323}{1000}$  230) \_\_\_\_\_  
 A) 0.7090323 B) 709,032.3 C) 70.90323 D) 7.090323
- 231)  $\frac{6336.24}{100}$  231) \_\_\_\_\_  
 A) 633.624 B) 6.33624 C) 6336.24 D) 63.3624
- 232)  $\frac{0.596}{1000}$  232) \_\_\_\_\_  
 A) 0.00596 B) 0.0000596 C) 596 D) 0.000596
- 233)  $\frac{0.06325}{100}$  233) \_\_\_\_\_  
 A) 0.006325 B) 0.6325 C) 6.325 D) 0.0006325
- 234)  $\frac{0.006629}{10}$  234) \_\_\_\_\_  
 A) 6.629 B) 0.00006629 C) 0.0006629 D) 0.06629
- 235)  $\frac{66.1161}{1000}$  235) \_\_\_\_\_  
 A) 0.0661161 B) 0.00661161 C) 66,116.1 D) 6611.61
- 236)  $\frac{415.8281}{0.1}$  236) \_\_\_\_\_  
 A) 4.158281 B) 4158.281 C) 41,582.81 D) 41.58281
- 237)  $\frac{0.839}{0.1}$  237) \_\_\_\_\_  
 A) 0.0839 B) 83.9 C) 0.00839 D) 8.39
- 238)  $\frac{0.008275}{0.01}$  238) \_\_\_\_\_  
 A) 0.00008275 B) 8.275 C) 0.08275 D) 0.8275
- 239)  $\frac{77.732}{0.1}$  239) \_\_\_\_\_  
 A) 7723.2 B) 797.32 C) 777.32 D) 7773.2
- 240)  $\frac{0.7828}{0.01}$  240) \_\_\_\_\_  
 A) 782.8 B) 0.007828 C) 7.828 D) 78.28

- 241)  $\frac{59.515}{0.01}$  241) \_\_\_\_\_  
 A) 5901.5 B) 5951.5 C) 595.15 D) 615.15
- 242)  $\frac{0.23}{0.001}$  242) \_\_\_\_\_  
 A) 0.23 B) 2300 C) 230 D) 23
- 243)  $\frac{0.000172}{0.001}$  243) \_\_\_\_\_  
 A) 0.0172 B) 0.00172 C) 0.172 D) 0.000000172
- 244)  $\frac{416.392991}{0.001}$  244) \_\_\_\_\_  
 A) 4,163,929.91 B) 416,392.991 C) 4163.92991 D) 41,639.2991
- 245)  $\frac{8.657}{0.001}$  245) \_\_\_\_\_  
 A) 8657 B) 865.7 C) 0.0008657 D) 0.008657
- Solve.
- 246)  $14.88 = 2.4 \cdot t$  246) \_\_\_\_\_  
 A) 62 B) 0.62 C) 6.2 D) 7.2
- 247)  $42 \cdot y = 31.92$  247) \_\_\_\_\_  
 A) 10.08 B) 0.076 C) 0.76 D) 7.6
- 248)  $1000 \cdot y = 8.6574$  248) \_\_\_\_\_  
 A) 0.086574 B) 0.0086574 C) 865.74 D) 8657.4
- 249)  $493.7 = 100 \cdot y$  249) \_\_\_\_\_  
 A) 4937 B) 49,370 C) 0.4937 D) 4.937
- 250)  $3775.5 = 45 \cdot t$  250) \_\_\_\_\_  
 A) 0.0839 B) 83.9 C) 839 D) 8.39
- 251)  $33.9 \cdot x = 1017$  251) \_\_\_\_\_  
 A) 300 B) 30.0 C) 31 D) 3
- 252)  $0.04 \cdot q = 3.8$  252) \_\_\_\_\_  
 A) 96 B) 9.5 C) 84 D) 95



253) $412.83 = 29.7 \cdot x$	A) 139	B) 1.39	C) 13.9	D) 14.9	253) _____
Simplify.					
254) $(61.3 - 3.5) \times 14$	A) 12.3	B) 809.2	C) 8092	D) 823.2	254) _____
255) $13 \times (19.5 + 0.656)$	A) 2620.28	B) 338.78	C) 254.156	D) 262.028	255) _____
256) $0.696 + 9.63 \div 0.04$	A) 24.771	B) 241.446	C) 247.71	D) 258.15	256) _____
257) $11.47 + 37.2 \div (7.32 - 3.6) - 2.3$	A) 10.78	B) 37.67	C) 34.27	D) 19.17	257) _____
258) $2.55 + 2.02 \cdot 2.09 - 2.92$	A) 6.6313	B) -3.7931	C) 3.8518	D) 3.74	258) _____
259) $6.6^2 + 8.1^2$	A) 216.09	B) 58.8	C) 29.4	D) 109.17	259) _____
260) $153.3 - 5.44 \times 7.06$	A) 1043.8916	B) 114.8936	C) 118.0036	D) 149.45936	260) _____
261) $8.639 + 0.16 \div 0.2^2$	A) 9.2790	B) 219.975	C) 9.039	D) 12.6390	261) _____
262) $15 \div 0.1 - 14 \times 0.04^2$	A) 29.5936	B) 149.6864	C) 0.2176	D) 149.9776	262) _____
263) $6.3 \times 4.7 + 0.9 \div 7.2$	A) 4.9	B) 3.15	C) 29.735	D) 4.2375	263) _____
264) $(6 - 0.6)^2 \div 4 + 9.7 \times 0.6$	A) 12.14	B) 14.08	C) 13.11	D) 11.655	264) _____
265) $27.2 + 4.47 \times (7.8 - 0.6)^2$	A) 261.1248	B) 503.7248	C) 257.5248	D) 258.9248	265) _____
266) $5.178 \div (1 - 0.137) + 86.9 - 3.4 \times 19$	A) -8.4	B) 28.7	C) 328.3	D) 28.3	266) _____

- 267)  $8 \times 0.2 + 1.1 \div 2 - 0.4^2$  267) \_\_\_\_\_  
 A) 0.29 B) 9.19 C) 5.09 D) 1.99
- 268)  $1.1 \div 2 + 4 \times 0.2 - 0.3^2$  268) \_\_\_\_\_  
 A) 3.56 B) 101.26 C) 0.56 D) 1.26
- 269)  $7.7^2 \times [(7 - 3.6) \div 0.04 + 0.3]$  269) \_\_\_\_\_  
 A) 5057.437 B) 5064.443 C) 50,574.37 D) 50,588.93
- 270)  $1.4^2 \times [(10 - 4.2) \div 0.02 + 3.2]$  270) \_\_\_\_\_  
 A) 551.472 B) 474.672 C) 574.672 D) 683.672
- 271)  $200 \times \{[(2 - .025) \div 0.05] - (19.0 - 3.01)\}$  271) \_\_\_\_\_  
 A) 5877.5 B) 4702 C) 2351 D) 3526.5
- 272)  $6^2 \div (16 - 14.2) - [(3 - 1.8) \div 2.5]$  272) \_\_\_\_\_  
 A) 27.27 B) 5.32 C) 17.72 D) 19.52
- 273)  $0.2 \times \{2.4 \times 12.5 - [(9 - 5.8) \div 0.8]\}$  273) \_\_\_\_\_  
 A) 4.08 B) 5.2 C) 5.65 D) 2.0

Answer the question.

- 274) Fred has taken two exams so far in his Chemistry course. His scores are 91 and 73. What is the average of these scores? 274) \_\_\_\_\_  
 A) 81.7 B) 83.2 C) 79.3 D) 82
- 275) Fred has taken four exams so far in his Chemistry course. His scores are 89, 71, 76, and 92. What is the average of these scores? 275) \_\_\_\_\_  
 A) 164 B) 78 C) 85 D) 82
- 276) Sue has taken two exams so far in her History course. Her scores are 90.8 and 68.4. What is the average of these scores? 276) \_\_\_\_\_  
 A) 84.6 B) 76.1 C) 81.1 D) 79.6
- 277) Sue has taken four exams so far in her History course. Her scores are 98.0, 78.2, 93, and 87.5. What is the average of these scores? 277) \_\_\_\_\_  
 A) 91.375 B) 89.175 C) 89.325 D) 87.775
- 278) Paul's last four paychecks have been \$925.99, \$1253.78, \$1003.84, and \$937.26. What is the average amount for these paychecks? 278) \_\_\_\_\_  
 A) \$1000.20 B) \$1030.22 C) \$1020.36 D) \$1050.02

- 279) In Antarctica, the high temperatures for the last four days have been  $17.2^{\circ}$ ,  $5.6^{\circ}$ ,  $7.2^{\circ}$ , and  $10.3^{\circ}$ . What is the average high temperature for this four-day period? 279) \_\_\_\_\_
- A)  $9.475^{\circ}$                       B)  $10.725^{\circ}$                       C)  $10.075^{\circ}$                       D)  $8.095^{\circ}$

- 280) The following table gives the electricity usage (in kilowatt hours) for the Peters family for six months. 280) \_\_\_\_\_

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.
# of kwh	948.5	1172.4	856.7	926.4	867.1	1003.9

- What is the average electricity usage for the months January through April?
- A) 976 kwh                      B) 986.99 kwh                      C) 982.01 kwh                      D) 973.701 kwh

- 281) The following table gives the electricity usage (in kilowatt hours) for the Peters family for six months. 281) \_\_\_\_\_

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.
# of kwh	948.5	1172.4	899.5	926.4	867.1	1003.9

- What is the average electricity usage for the months January through May?
- A) 963.89 kwh                      B) 941.72 kwh                      C) 962.78 kwh                      D) 976.15 kwh

- 282) The following table gives the electricity usage (in kilowatt hours) for the Peters family for six months. 282) \_\_\_\_\_

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.
# of kwh	948.5	1172.4	854.5	926.4	867.1	1003.9

- What is the average electricity usage for the months February through May?
- A) 952.082 kwh                      B) 955.89 kwh                      C) 953.11 kwh                      D) 955.1 kwh

- 283) The following table gives the electricity usage (in kilowatt hours) for the Peters family for six months. 283) \_\_\_\_\_

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.
# of kwh	948.5	1172.4	821.0	926.4	867.1	1003.9

- What is the average electricity usage for the months February through June?
- A) 956.27 kwh                      B) 956.79 kwh                      C) 960.18 kwh                      D) 958.16 kwh

Write the fraction in decimal notation.

- 284)  $\frac{2}{8}$  284) \_\_\_\_\_
- A) 0.34                      B) 0.14                      C) 0.24                      D) 0.25

- 285)  $\frac{2}{5}$  285) \_\_\_\_\_  
 A) 0.2 B) 0.04 C) 0.4 D) 0.25
- 286)  $\frac{3}{4}$  286) \_\_\_\_\_  
 A) 0.8 B) 0.075 C) 0.6 D) 0.75
- 287)  $\frac{48}{100}$  287) \_\_\_\_\_  
 A) 0.37 B) 0.48 C) 0.048 D) 4.8
- 288)  $\frac{5}{16}$  288) \_\_\_\_\_  
 A) 0.3125 B) 0.313 C) 0.3225 D) 0.2125
- 289)  $\frac{12}{20}$  289) \_\_\_\_\_  
 A) 0.5 B) 0.6 C) 0.7 D) 0.65
- 290)  $\frac{11}{25}$  290) \_\_\_\_\_  
 A) 0.36 B) 0.44 C) 0.24 D) 0.5
- 291)  $\frac{21}{40}$  291) \_\_\_\_\_  
 A) 0.535 B) 0.425 C) 0.525 D) 0.485
- 292)  $\frac{22}{125}$  292) \_\_\_\_\_  
 A) 0.176 B) 0.126 C) 0.276 D) 0.196
- 293)  $\frac{162}{200}$  293) \_\_\_\_\_  
 A) 0.81 B) 0.77 C) 0.801 D) 0.821
- 294)  $\frac{6}{5}$  294) \_\_\_\_\_  
 A) 1.25 B) 1.1 C) 1.2 D) 1.3
- 295)  $\frac{9}{4}$  295) \_\_\_\_\_  
 A) 1.75 B) 2.125 C) 2.15 D) 2.25

- 296)  $\frac{15}{8}$  296) \_\_\_\_\_  
 A) 1.875 B) 1.75 C) 1.775 D) 1.85
- 297)  $\frac{23}{16}$  297) \_\_\_\_\_  
 A) 1.75 B) 1.38375 C) 1.425 D) 1.4375
- 298)  $\frac{33}{20}$  298) \_\_\_\_\_  
 A) 1.65 B) 1.675 C) 1.6 D) 1.625
- 299)  $\frac{77}{25}$  299) \_\_\_\_\_  
 A) 3.85 B) 3.04 C) 3.08 D) 3.075
- 300)  $\frac{49}{40}$  300) \_\_\_\_\_  
 A) 1.2125 B) 1.275 C) 1.2375 D) 1.225
- 301)  $\frac{91}{40}$  301) \_\_\_\_\_  
 A) 2.2875 B) 2.2175 C) 2.225 D) 2.275
- 302)  $\frac{792}{125}$  302) \_\_\_\_\_  
 A) 6.32 B) 6.324 C) 6.336 D) 6.345
- 303)  $\frac{717}{200}$  303) \_\_\_\_\_  
 A) 4.125 B) 3.585 C) 3.575 D) 3.595
- 304)  $\frac{4}{9}$  304) \_\_\_\_\_  
 A)  $0.\overline{41}$  B)  $0.\overline{40}$  C)  $0.\overline{4}$  D)  $0.0\overline{4}$
- 305)  $\frac{14}{15}$  305) \_\_\_\_\_  
 A)  $0.9\overline{6}$  B)  $0.8\overline{3}$  C)  $0.9\overline{3}$  D)  $0.9\overline{1}$

- 306)  $\frac{2}{7}$  306) \_\_\_\_\_
- A)  $0.\overline{285714}$  B)  $0.2857\overline{14}$  C)  $0.2862\overline{14}$  D)  $0.2897\overline{14}$
- 307)  $\frac{5}{11}$  307) \_\_\_\_\_
- A)  $0.\overline{45}$  B)  $0.\overline{48}$  C)  $0.4\overline{5}$  D)  $0.4\overline{8}$
- 308)  $\frac{26}{11}$  308) \_\_\_\_\_
- A)  $2.\overline{36}$  B)  $2.3\overline{8}$  C)  $2.3\overline{6}$  D)  $2.3\overline{8}$
- 309)  $\frac{7}{12}$  309) \_\_\_\_\_
- A)  $0.58\overline{3}$  B)  $0.59\overline{0}$  C)  $0.59\overline{0}$  D)  $0.58\overline{3}$
- Write as a decimal number rounded as indicated.
- 310)  $\frac{11}{15}$ ; Round to the nearest tenth. 310) \_\_\_\_\_
- A) 0.3 B) 0.6 C) 0.7 D) 0.8
- 311)  $\frac{15}{7}$ ; Round to the nearest tenth. 311) \_\_\_\_\_
- A) 2.14 B) 0.5 C) 2.1 D) 1.1
- 312)  $\frac{6}{11}$ ; Round to the nearest tenth. 312) \_\_\_\_\_
- A) 1.5 B) 1.8 C) 0.5 D) 0.55
- 313)  $\frac{4}{15}$ ; Round to the nearest hundredth. 313) \_\_\_\_\_
- A) 0.28 B) 0.67 C) 0.27 D) 0.24
- 314)  $\frac{5}{11}$ ; Round to the nearest hundredth. 314) \_\_\_\_\_
- A) 0.45 B) 0.46 C) 0.47 D) 0.44
- 315)  $\frac{2}{3}$ ; Round to the nearest hundredth. 315) \_\_\_\_\_
- A) 0.667 B) 0.67 C) 0.66 D) 1.50

- 316)  $\frac{9}{11}$ ; Round to the nearest hundredth. 316) \_\_\_\_\_  
 A) 0.82 B) 1.22 C) 0.81 D) 0.818
- 317)  $\frac{9}{13}$ ; Round to the nearest hundredth. 317) \_\_\_\_\_  
 A) 0.68 B) 0.69 C) 0.692 D) 1.44
- 318)  $\frac{5}{11}$ ; Round to the nearest thousandth. 318) \_\_\_\_\_  
 A) 0.456 B) 0.455 C) 0.457 D) 0.454
- 319)  $\frac{13}{15}$ ; Round to the nearest thousandth. 319) \_\_\_\_\_  
 A) 0.667 B) 0.864 C) 0.868 D) 0.867
- 320)  $0.\overline{37}$ ; Round to the nearest hundredth. 320) \_\_\_\_\_  
 A) 0.39 B) 0.36 C) 0.38 D) 0.37
- 321)  $0.\overline{58}$ ; Round to the nearest hundredth. 321) \_\_\_\_\_  
 A) 0.58 B) 0.59 C) 0.60 D) 0.6
- 322)  $0.3\overline{7}$ ; Round to the nearest thousandth. 322) \_\_\_\_\_  
 A) 0.377 B) 0.374 C) 0.37 D) 0.378
- 323)  $0.4\overline{7}$ ; Round to the nearest hundredth. 323) \_\_\_\_\_  
 A) 0.478 B) 0.47 C) 0.475 D) 0.48
- 324)  $0.9\overline{4}$ ; Round to the nearest thousandth. 324) \_\_\_\_\_  
 A) 0.950 B) 0.95 C) 0.944 D) 0.949
- 325)  $0.9\overline{2}$ ; Round to the nearest hundredth. 325) \_\_\_\_\_  
 A) 0.930 B) 0.92 C) 0.93 D) 0.929
- 326)  $0.6\overline{9}$ ; Round to the nearest thousandth. 326) \_\_\_\_\_  
 A) 0.700 B) 0.696 C) 0.697 D) 0.699
- 327)  $0.3\overline{8}$ ; Round to the nearest tenth. 327) \_\_\_\_\_  
 A) 0.3 B) 0.4 C) 0.38 D) 0.39
- 328)  $0.3\overline{5}$ ; Round to the nearest thousandth. 328) \_\_\_\_\_  
 A) 0.355 B) 0.354 C) 0.352 D) 0.353

329)  $2.\overline{71}$ ; Round to the nearest hundredth.

A) 2.7

B) 2.72

C) 2.71

D) 2.73

329) \_\_\_\_\_

Find the requested ratio in decimal notation rounded to the nearest thousandth.

330) At the opening night of a theater production, there are 274 women and 266 men in the audience. For this set of people, what is the ratio of women to the total number of people?

330) \_\_\_\_\_

A) 1.03

B) 0.493

C) 0.004

D) 0.507

331) At the opening night of a theater production, there are 399 women and 198 men in the audience. For this set of people, what is the ratio of men to the total number of people?

331) \_\_\_\_\_

A) 0.003

B) 2.015

C) 0.332

D) 0.668

332) At the opening night of a theater production, there are 443 women and 119 men in the audience. For this set of people, what is the ratio of women to men?

332) \_\_\_\_\_

A) 0.002

B) 3.723

C) 0.212

D) 0.788

Find the gasoline mileage rounded to the nearest tenth.

333) 221 miles; 19 gallons

333) \_\_\_\_\_

A) 11.7 mpg

B) 11.6 mpg

C) 20 mpg

D) 10 mpg

334) 249.5 miles; 15.1 gallons

334) \_\_\_\_\_

A) 20 mpg

B) 30 mpg

C) 16.4 mpg

D) 16.5 mpg

Find the requested average, and round your answer as indicated.

335) Listed in the table below are the total scores for the students in Dr. Crandall's geometry class. Find the average of these scores and round to the nearest hundredth.

335) \_\_\_\_\_

Student	Total Score
Joe	81.1
Sue	62.6
Ava	77.7
Jillian	77.7
Carol	73.5
Marty	74.3

A) 74.52

B) 74.48

C) 77.70

D) 74.5



- 336) The table below shows the square footage of homes of a group of families. Find the average square footage and round to the nearest tenth.

336) \_\_\_\_\_

Family	Area of Home in Square Feet
The Lindens	30,432
The Douglasses	8001
The Kimballs	8057
The Ravenswoods	7863
The Swifts	4139
The Jacksons	1426

- A) 9986.4 square feet  
B) 7960.0 square feet  
C) 9986.3 square feet  
D) 15,929.0 square feet

Convert the stock price to decimal notation and to decimal notation rounded to the nearest hundredth.

- 337) The stock of a software company sold for  $\$37\frac{7}{8}$  per share on Monday at closing.

337) \_\_\_\_\_

- A) \$37.825; \$37.82  
B) \$37.825; \$37.83  
C) \$37.875; \$37.88  
D) \$37.875; \$37.87

- 338) The stock price of a bank rose to  $\$42\frac{7}{8}$  per share after a merger with another bank.

338) \_\_\_\_\_

- A) \$42.875; \$42.88  
B) \$42.825; \$42.83  
C) \$42.875; \$42.87  
D) \$42.825; \$42.82

- 339) The stock price of a homeowners' insurance company dropped to  $\$41\frac{11}{16}$  per share after a severe hurricane caused damage to coastal regions.

339) \_\_\_\_\_

- A) \$41.6825; \$41.68  
B) \$41.6825; \$41.69  
C) \$41.6875; \$41.68  
D) \$41.6875; \$41.69

- 340) The stock price of a company specializing in renewable forms of energy rose last year to  $\$66\frac{7}{16}$  per share.

340) \_\_\_\_\_

- A) \$66.4375; \$66.44  
B) \$66.4325; \$66.44  
C) \$66.4375; \$66.43  
D) \$66.4325; \$66.43

- 341) The stock price of a pharmaceutical company fell to  $\$36\frac{21}{64}$  per share after one of its products was recalled.

341) \_\_\_\_\_

- A) \$36.323125; \$36.32  
B) \$36.323125; \$36.33  
C) \$36.328125; \$36.32  
D) \$36.328125; \$36.33

- 342) The stock price of a company rose to  $\$62\frac{3}{64}$  per share after positive economic news was released. 342) \_\_\_\_\_
- A) \$62.041875; \$62.05                      B) \$62.041875; \$62.04  
C) \$62.046875; \$62.04                      D) \$62.046875; \$62.05

Calculate.

- 343)  $\frac{5}{8} \times 15.6$  343) \_\_\_\_\_
- A) 9.75                      B) 9.6564                      C) 9.7344                      D) 9.7656
- 344)  $\frac{3}{5} \times 298.2$  344) \_\_\_\_\_
- A) 187.99                      B) 17.892                      C) 178.92                      D) 186.15
- 345)  $\frac{3}{4} \times 15.71$  345) \_\_\_\_\_
- A) 11.7825                      B) 12.568                      C) 11.775                      D) 13.74625
- 346)  $\frac{31}{9} \times 64.73$  346) \_\_\_\_\_
- A)  $222.\overline{958}$                       B)  $222.95\overline{8}$                       C)  $230.15\overline{1}$                       D)  $230.\overline{151}$
- 347)  $\frac{5}{11} \times 3.1629$  347) \_\_\_\_\_
- A)  $1.4376\overline{81}$                       B)  $1.4331\overline{36}$                       C)  $1.4331\overline{36}$                       D)  $1.4376\overline{81}$
- 348)  $9.814 \times 6\frac{2}{3}$  348) \_\_\_\_\_
- A)  $67.06\overline{23}$                       B)  $65.42\overline{6}$                       C)  $67.06\overline{23}$                       D)  $65.42\overline{6}$
- 349)  $14.1 \times 3\frac{3}{5}$  349) \_\_\_\_\_
- A) 50.63                      B) 50.76                      C) 50.85                      D) 51.07
- 350)  $7\frac{3}{4} \div 3.875$  350) \_\_\_\_\_
- A) 2.125                      B) 1.9375                      C)  $1.8\overline{3}$                       D) 2
- 351)  $16.25 \div 2\frac{1}{2}$  351) \_\_\_\_\_
- A) 6.3                      B) 6.59                      C) 7.2                      D) 6.5

352) $81.25 \div 3\frac{1}{4}$				352) _____
A) 24.77	B) 29.18	C) 35	D) 25	
353) $7.56 + 3\frac{3}{5}$				353) _____
A) 11.16	B) 11.08	C) 10.86	D) 7.56	
354) $7\frac{3}{8} + 9.431$				354) _____
A) 16.826	B) 16.806	C) 2.056	D) 9.431	
355) $4.345 - \frac{4}{5}$				355) _____
A) 0.069	B) 3.476	C) 3.545	D) 5.145	
356) $168\frac{1}{2} - 8.71$				356) _____
A) 1467.635	B) 159.79	C) 177.21	D) 164.145	
357) $46\frac{3}{4} + 15.22$				357) _____
A) 61.97	B) 44.8475	C) 31.53	D) 711.535	
358) $\frac{3}{4} \times 0.058 + \frac{6}{5} \times 6.19$				358) _____
A) 7.4715	B) 6.5715	C) 7.697265	D) 7.9437	
359) $\frac{1}{2} \times 117.4 - \frac{2}{5} \times 27.51$				359) _____
A) 49.096	B) 47.696	C) 37.296	D) 1603.833	
360) $124.23 \div \frac{3}{5} + 39.40 \times \frac{1}{4}$				360) _____
A) 213.02	B) 61.6125	C) 71.864	D) 216.9	
361) $11.9 \times 24.23 + 6.7 \times \frac{1}{4}$				361) _____
A) 299.087	B) 77.65425	C) 73.75925	D) 290.012	
362) $90.7 \times \frac{7}{8} - 6.7 \div \frac{1}{4}$				362) _____
A) 52.5625	B) 55.9625	C) 313.86	D) 290.65	

$$363) 160.9 \times \frac{2}{5} + 6.03 \div \frac{3}{4}$$

A) 75.47

B) 265.48

C) 259.59

D) 72.4

363) \_\_\_\_\_

Estimate an answer to the problem.

364) An advertisement states that television sets are on sale at B&G Electronics. The sale prices are: 13-inch set, \$147.99; 19-inch set, \$208.95; 21-inch set, \$231.99; 27-inch set, \$289.97; 50-inch set, \$519.97. Estimate to the nearest ten the total cost of one 50-inch set and one 21-inch set.

A) \$740

B) \$730

C) \$760

D) \$750

364) \_\_\_\_\_

365) An advertisement states that television sets are on sale at B&G Electronics. The sale prices are: 13-inch set, \$147.99; 19-inch set, \$208.95; 21-inch set, \$231.99; 27-inch set, \$289.97; 50-inch set, \$519.97. Estimate to the nearest ten how much more a 21-inch set costs than a 13-inch set.

A) \$70

B) \$60

C) \$80

D) \$90

365) \_\_\_\_\_

366) An advertisement states that television sets are on sale at B&G Electronics. The sale prices are: 13-inch set, \$147.99; 19-inch set, \$208.95; 21-inch set, \$231.99; 27-inch set, \$289.97; 50-inch set, \$519.97. Estimate the total cost of 8 27-inch sets.

A) \$2320

B) \$2330

C) \$2280

D) \$2350

366) \_\_\_\_\_

367) An advertisement states that television sets are on sale at B&G Electronics. The sale prices are: 13-inch set, \$147.99; 19-inch set, \$208.95; 21-inch set, \$231.99; 27-inch set, \$289.97; 50-inch set, \$519.97. Estimate the approximate number of 19-inch sets that can be bought for \$6278.

A) 30

B) 300

C) 40

D) 25

367) \_\_\_\_\_

368) An advertisement states that television sets are on sale at B&G Electronics. The sale prices are: 13-inch set, \$147.99; 19-inch set, \$208.95; 21-inch set, \$231.99; 27-inch set, \$289.97; 50-inch set, \$519.97. Estimate the approximate number of 27-inch sets that can be bought for \$40, 619.

A) 120

B) 80

C) 140

D) 1400

368) \_\_\_\_\_

369) An advertisement states that television sets are on sale at B&G Electronics. The sale prices are: 13-inch set, \$147.99; 19-inch set, \$208.95; 21-inch set, \$231.99; 27-inch set, \$289.97; 50-inch set, \$519.97. Estimate the approximate number of 13-inch sets that can be bought for \$11,850.

A) 20

B) 90

C) 80

D) 180

369) \_\_\_\_\_

Estimate by rounding as directed.

370)  $0.06 + 3.51 + 0.23$ ; nearest tenth

A) 3.6

B) 4.0

C) 4.1

D) 3.8

370) \_\_\_\_\_

371)  $0.06 + 84 + 0.73$ ; nearest one

A) 86

B) 85

C) 88

D) 83

371) \_\_\_\_\_

372)  $6.06 + 0.013 + 0.197$ ; nearest one

A) 6.27

B) 6

C) 6.3

D) 7

372) \_\_\_\_\_

- 373)  $7.1 + 1.5417 + 5.5195$ ; nearest one  
 A) 15.1                      B) 14                      C) 14.1                      D) 15                      373) \_\_\_\_\_
- 374)  $15.9745 + 62.2267$ ; nearest tenth  
 A) 77.6                      B) 78.4                      C) 78.2                      D) 77.9                      374) \_\_\_\_\_
- 375)  $43.183 + 0.582 + 79.99$ ; nearest tenth  
 A) 123.8                      B) 122.9                      C) 123.6                      D) 124.1                      375) \_\_\_\_\_
- 376)  $17 + 0.582 + 79.99$ ; nearest one  
 A) 96                      B) 95                      C) 98                      D) 99                      376) \_\_\_\_\_
- 377)  $32.462 - 11.9554$ ; nearest tenth  
 A) 21.1                      B) 20.9                      C) 20.7                      D) 20.5                      377) \_\_\_\_\_
- 378)  $32.432 - 15.50$ ; nearest tenth  
 A) 16.9                      B) 16.7                      C) 17.1                      D) 14.6                      378) \_\_\_\_\_
- 379)  $532.432 - 394.22$ ; nearest ten  
 A) 150                      B) 120                      C) 140                      D) 130                      379) \_\_\_\_\_
- 380)  $532.432 - 41.8$ ; nearest tenth  
 A) 480.6                      B) 490.8                      C) 490.6                      D) 490.7                      380) \_\_\_\_\_
- 381)  $59.027 - 2.8622$ ; nearest one  
 A) 57                      B) 56 .1                      C) 56                      D) 56 .2                      381) \_\_\_\_\_

Estimate the product by first rounding each number so that there is one nonzero digit.

- 382)  $26.7 \times 4.8$   
 A) 1500                      B) 15,000                      C) 150                      D) 15                      382) \_\_\_\_\_
- 383)  $7.1 \times 35$   
 A) 2800                      B) 28                      C) 280                      D) 400                      383) \_\_\_\_\_
- 384)  $26 \times 55$   
 A) 1800                      B) 180                      C) 3600                      D) 18                      384) \_\_\_\_\_
- 385)  $8.329 \times 8.01$   
 A) 80                      B) 640                      C) 6.4                      D) 64                      385) \_\_\_\_\_
- 386)  $0.032 \times 449.6$   
 A) 1200                      B) 1.2                      C) 120                      D) 12                      386) \_\_\_\_\_

387)  $1.9 \times 3.84$  387) \_\_\_\_\_  
 A) 8 B) 3 C) 0.3 D) 0.8

388)  $78.59 \times 18.27$  388) \_\_\_\_\_  
 A) 1610 B) 2000 C) 1600 D) 160

389)  $2.49 \times 420.2$  389) \_\_\_\_\_  
 A) 800 B) 880 C) 1000 D) 400

Estimate the quotient by first rounding each number as indicated.

390)  $10.12 \div 2$ ; Estimate by first rounding each number to the nearest one. 390) \_\_\_\_\_  
 A) 5 B) 0.5 C) 50 D) 0.05

391)  $0.0831 \div 1.78$ ; Estimate by first rounding each number to one nonzero digit. 391) \_\_\_\_\_  
 A) 5 B) 0.5 C) 0.04 D) 0.004

392)  $92.19 \div 27.6$ ; Estimate by first rounding each number to the nearest ten. 392) \_\_\_\_\_  
 A) 30 B) 5 C) 3 D) 0.3

393)  $948 \div 0.119$ ; Estimate by first rounding each number to one nonzero digit. 393) \_\_\_\_\_  
 A) 900 B) 90 C) 9 D) 9000

Solve the problem.

394) At the beginning of the summer, Jon was 52.5 inches tall. By the end of the summer, he had grown 1.3 inches. What was his height at the end of the summer? 394) \_\_\_\_\_  
 A) 65.5 in. B) 53.8 in. C) 52.8 in. D) 53.9 in.

395) Jane bought 2 items at Lucky Pete's market. She bought a pound of butter for \$1.76 and a gallon of milk for \$2.66. What was the total amount that she paid for both of these items? 395) \_\_\_\_\_  
 A) \$4.32 B) \$3.32 C) \$3.42 D) \$4.42

396) Jerry's subtotal at Scramble's Electronics is \$13.92. The sales tax on these items is \$1.92. What was Jerry's total bill? 396) \_\_\_\_\_  
 A) \$15.74 B) \$14.74 C) \$14.84 D) \$15.84

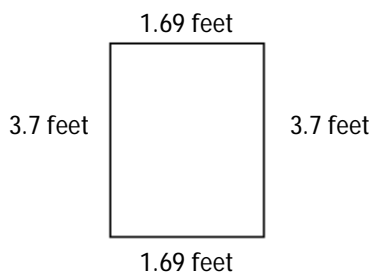
397) Bonny wanted to know the total number of hours she worked this week. Her time card indicated the following hours: Monday, 2.18 hours; Tuesday, 6.49 hours; Thursday, 4.09 hours. How many hours has Bonny worked? 397) \_\_\_\_\_  
 A) 11.76 hr B) 12.76 hr C) 12.66 hr D) 13.76 hr

398) Mr. Lee wanted to keep track of how far he was driving today. He drove to Lodi which was 31.19 miles, then he drove to Merced which was 26.13 miles, then he drove home which was 8.09 miles. How far did Mr. Lee drive? 398) \_\_\_\_\_  
 A) 66.41 mi B) 65.41 mi C) 66.40 mi D) 65.40 mi

- 399) Mrs. Campbell prepared her grocery list at home. Her list contained the following items with their sale prices: cheese - \$3.92; crackers - \$17.87; soda - \$1.01; hamburger - \$17.92; and gum - \$0.92. She bought all of the items at the store except the crackers. How much money did she spend? 399) \_\_\_\_\_
- A) \$23.64                      B) \$22.77                      C) \$23.77                      D) \$24.64

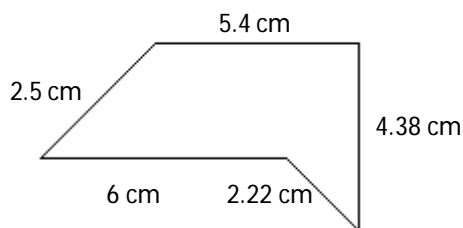
- 400) Mr. Bertini took a plane trip for a total of 9.20 hours. He watched an in-flight movie for 2.72 hours. From the airport, he took a cab ride for 0.30 hour to the train station. Next, he took the train home for 1.30 hours. what was the total time spent traveling? 400) \_\_\_\_\_
- A) 13.52 hr                      B) 10.80 hr                      C) 10.52 hr                      D) 9.80 hr

- 401) Find the perimeter of the figure below. 401) \_\_\_\_\_



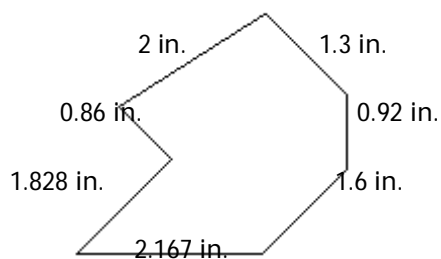
- A) 6.253 ft                      B) 10.78 ft                      C) 4.12 ft                      D) 5.39 ft

- 402) Find the perimeter of the figure below. 402) \_\_\_\_\_



- A) 13.39 cm                      B) 20.5 cm                      C) 15.1 cm                      D) 7.99 cm

- 403) Find the perimeter of the figure below. 403) \_\_\_\_\_



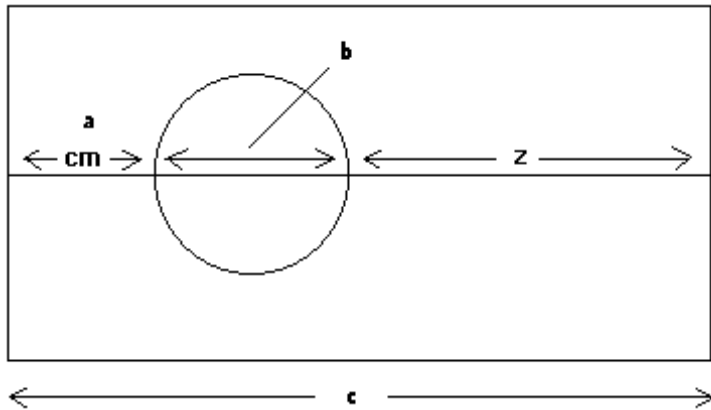
- A) 10.675 in.                      B) 7.273 in.                      C) 9.073 in.                      D) 8.875 in.

- 404) When Paula set off to drive to her friend's house, the odometer read 9322.3 miles. When she arrived at her friend's house, the odometer read 9449.7 miles. How far had she driven? 404) \_\_\_\_\_  
A) 128.4 mi                      B) 127.5 mi                      C) 137.4 mi                      D) 127.4 mi
- 405) The costs of a hurricane in Kate's home state were \$4.80 million. The costs of a hurricane in Jorg's home state were \$9.02 million. How much more were the costs of the hurricane in Jorg's home state? 405) \_\_\_\_\_  
A) \$4.22 million                      B) \$5.22 million                      C) \$5 million                      D) \$4.12 million
- 406) Normal body temperature is 98.6°F. Ellen's temperature is 100.4°F. How many degrees above normal body temperature is this? 406) \_\_\_\_\_  
A) 2.8°                      B) 1.8°                      C) 1.9°                      D) 2.9°
- 407) Julie bought a dress originally costing \$95.98. When she brought the dress to the counter, the agent told her that it was discounted \$9.60. What is the sales price for the dress? 407) \_\_\_\_\_  
A) \$9.60                      B) \$85.98                      C) \$86.38                      D) \$76.38
- 408) Pete's grocery bill was \$9.16. He gave the clerk a \$20 bill. How much change should he receive? 408) \_\_\_\_\_  
A) \$10.84                      B) \$9.16                      C) \$10.83                      D) \$9.84
- 409) Mr. Alvarez grosses \$500 a week. If his take-home pay is \$413.89, how much money was deducted from his gross weekly pay? 409) \_\_\_\_\_  
A) \$86.11                      B) \$87.11                      C) \$87.21                      D) \$86.21
- 410) John is taking a road to Calistoga. He has already driven 74.18 miles. If the entire distance to Calistoga is 105 miles, how much further must John drive? 410) \_\_\_\_\_  
A) 30.82 mi                      B) 30.92 mi                      C) 40.82 mi                      D) 31.82 mi
- 411) Ray's gross pay is \$255.59 per week. \$54.97 is withheld for federal income tax, \$31.45 for FICA tax, and \$13.68 for other deductions. Find his net pay. 411) \_\_\_\_\_  
A) \$182.85                      B) \$155.49                      C) \$169.17                      D) \$165.49



412) Find the missing measurement in the figure below.

412) \_\_\_\_\_



$a = 0.76$   $b = 0.4$  cm  $c = 4$  cm

A)  $z = 3.24$  cm

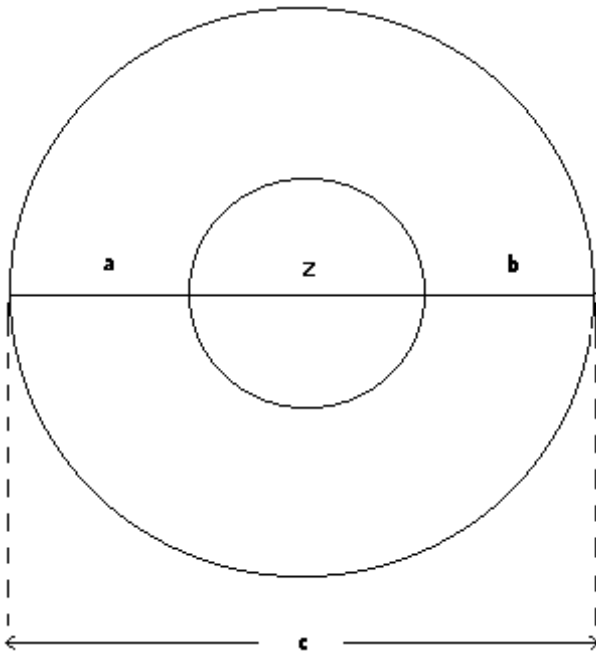
B)  $z = 4.36$  cm

C)  $z = 2.84$  cm

D)  $z = 3.64$  cm

413) Find the missing measurement in the figure below.

413) \_\_\_\_\_



$a = 1.87$  in.  $b = 1.87$  in.  $c = 6.83$  in.

A)  $z = 4.96$  in.

B)  $z = 2.19$  in.

C)  $z = 4.09$  in.

D)  $z = 3.09$  in.

414) What is the cost, in dollars, of 23.3 gallons of gasoline at 117.6 cents per gallon? Round your answer to the nearest cent.

414) \_\_\_\_\_

A) \$275.01

B) \$28.40

C) \$274.01

D) \$27.40

415) A rectangular garden measures 16.4 feet by 58.7 feet. What is its area?

415) \_\_\_\_\_

A)  $75.1$  ft<sup>2</sup>

B)  $962.68$  ft<sup>2</sup>

C)  $9626.8$  ft<sup>2</sup>

D)  $852.68$  ft<sup>2</sup>

- 416) A person burns 8.1 calories per minute while walking. How many calories will be burned if the person walks for 4 hours? 416) \_\_\_\_\_  
 A) 32.4 calories      B) 324 calories      C) 1944 calories      D) 19,440 calories
- 417) A stockbroker sold 80 shares of stock for \$38.98 each. What was the total amount of the sale? 417) \_\_\_\_\_  
 A) \$3118.51      B) \$3118.50      C) \$3118.30      D) \$3118.40
- 418) A stockbroker bought 85 shares of stock for \$14.00 each. What was the total amount of the purchase? 418) \_\_\_\_\_  
 A) \$1190.11      B) \$1190.00      C) \$1189.90      D) \$1190.10
- 419) A grocer sold 83 bags of potatoes for \$1.14 each. What was the total amount of the sale? 419) \_\_\_\_\_  
 A) \$94.62      B) \$94.72      C) \$95.72      D) \$94.63
- 420) A bakery sold 24 pies for \$4.02 each. What was the total amount of the sale? 420) \_\_\_\_\_  
 A) \$96.49      B) \$96.58      C) \$96.48      D) \$97.58
- 421) John earns \$14.86/hour. If he works 15 hours, how much will he earn? 421) \_\_\_\_\_  
 A) \$224.00      B) \$222.91      C) \$223.00      D) \$222.90
- 422) A restaurant bill of \$63.42 was shared equally by 5 people. How much was each person's share? Round your answer to the nearest cent. 422) \_\_\_\_\_  
 A) \$12.68      B) \$13.68      C) \$13.79      D) \$12.79
- 423) How long would it take to drive a distance of 25 miles if you drive at a constant speed of 58 miles per hour? Round your answer to the nearest hundredth if necessary. (Distance = Speed  $\times$  Time) 423) \_\_\_\_\_  
 A) 2.32 hr      B) 4.31 hr      C) 1450.0 hr      D) 0.43 hr
- 424) In one year, a baseball player got 167 hits in 436 times at bat. What was his batting average? Give decimal notation to the nearest thousandth. 424) \_\_\_\_\_  
 A) 0.393      B) 0.383      C) 0.363      D) 0.386
- 425) Dave bought 15 packets of cookies for \$31.80. Each packet of cookies contains 12 cookies. Find the cost of each cookie to the nearest tenth of a cent. 425) \_\_\_\_\_  
 A) 0.2¢      B) 18.8¢      C) 2.1¢      D) 17.7¢
- 426) The water in a tank weighs 897.37 lb. One cubic foot of water weighs 62.5 lb. How many cubic feet of water are in the tank? 426) \_\_\_\_\_  
 A) 959.87 ft<sup>3</sup>      B) 0.06965 ft<sup>3</sup>      C) 14.35792 ft<sup>3</sup>      D) 56,085.625 ft<sup>3</sup>
- 427) The distance from the downtown station to the last stop on a commuter railroad line is 40.6 miles. The distance between stops is about 2.9 miles. How many stops are there? 427) \_\_\_\_\_  
 A) 15 stops      B) 13 stops      C) 7 stops      D) 14 stops

428) Edwin has a board that is 4.5 feet long. He wants to cut the board into pieces that are 1.5 feet long. How many 1.5-foot pieces will he get from the large board? 428) \_\_\_\_\_  
A) 4 pieces                      B) 30 pieces                      C) 3 pieces                      D) 2 pieces

429) Jake has a cable that is 57.4 feet long. He wants to cut it into pieces that are 8.2 feet long. How many 8.2-foot pieces will he get from the cable? 429) \_\_\_\_\_  
A) 7 pieces                      B) 70 pieces                      C) 6 pieces                      D) 8 pieces

430) June has a strip of paper 35.2 inches long. She wants to cut it into strips that are 4.4 inches long. How many 4.4-inch strips will she get from the paper? 430) \_\_\_\_\_  
A) 80 pieces                      B) 9 pieces                      C) 7 pieces                      D) 8 pieces

Solve.

431) Mike filled his car's gas tank and noted that the odometer read 26,980.5. After the next filling, the odometer read 27,646.9. It took 24.5 gal to fill the tank. How many miles per gallon did the car get? 431) \_\_\_\_\_  
A) 27.2 mpg                      B) 26.5 mpg                      C) 28.2 mpg                      D) 27.5 mpg

432) Jude bought a CD set consisting of a compilation of hits from the 1990s. The CD set cost \$34.99 plus \$2.97 sales tax. She paid for it with a \$100 bill. How much change did she receive? 432) \_\_\_\_\_  
A) \$61.96                      B) \$62.04                      C) \$63.04                      D) \$65.01

433) At SuperStop, gasoline costs \$1.35 per gallon when you pay with a credit card, \$0.07 per gallon less when you pay with cash. How much do you save by filling up a 15-gallon tank if you are paying cash? 433) \_\_\_\_\_  
A) \$1.05                      B) \$10.50                      C) \$19.20                      D) \$20.25

434) A house has an assessed value of \$225,500. For each \$1000 of assessed value, the owner must pay \$11.38 in taxes. How much must the owner pay in taxes? 434) \_\_\_\_\_  
A) \$2566.19                      B) \$256.62                      C) \$25,661.90                      D) \$19,815.47

435) Sue buys a house which has a rectangular yard measuring 14.6 meters by 14.3 meters. In one corner of the yard is a rectangular shed measuring 2.8 meters by 3.1 meters. Sue intends to grow grass in the whole of the yard. What is the area of the yard excluding the shed? 435) \_\_\_\_\_  
A) 208.78 m<sup>2</sup>                      B) 2.8 m<sup>2</sup>                      C) 2001.0 m<sup>2</sup>                      D) 200.10 m<sup>2</sup>

436) Manuel had \$1394.92 in his checking account. He wrote checks of \$28.63, \$40.05, and \$121.76 to pay some bills. He then deposited a paycheck of \$814.11. How much is in his account after these changes? 436) \_\_\_\_\_  
A) \$390.37                      B) \$2033.70                      C) \$2399.47                      D) \$2018.59

437) A person burns 11.3 calories per minute while walking. One must burn about 3500 calories in order to lose 1 lb. How many pounds would the person lose by walking for 5 hours? Round your answer to the nearest hundredth. 437) \_\_\_\_\_  
A) 9.69 lb                      B) 0.68 lb                      C) 0.02 lb                      D) 0.97 lb

- 438) Alan's yard is rectangular and measures 13.3 meters by 8.8 meters. Maria's yard is rectangular and measures 42.2 meters by 27.5 meters. How much greater is the area of Maria's yard than the area of Alan's yard? 438) \_\_\_\_\_  
 A)  $10,434.6 \text{ m}^2$  B)  $47.6 \text{ m}^2$  C)  $1277.54 \text{ m}^2$  D)  $1043.46 \text{ m}^2$
- 439) Alan's yard is rectangular and measures 9.7 meters by 11.1 meters. Maria's yard is rectangular and measures 39.9 meters by 32.3 meters. What is the total area of the two yards? 439) \_\_\_\_\_  
 A)  $1984.50 \text{ m}^2$  B)  $11,811.0 \text{ m}^2$  C)  $1181.10 \text{ m}^2$  D)  $1396.44 \text{ m}^2$
- 440) Jameel's cellular phone plan gives him 550 anytime minutes per month for a monthly access fee of \$45.99. Minutes in excess of 550 are charged at the rate of \$0.42 per minute. Last month, Jameel used his cellphone for 629 minutes. How much was he charged? 440) \_\_\_\_\_  
 A) \$310.17 B) \$79.17 C) \$81.54 D) \$33.17
- 441) A gardener is paid \$17.50 per hour for the first 40 hours of work in a week, and time and a half, or \$26.25 per hour for any overtime exceeding 40 hours per week. Last week she worked 49 hours. How much did she earn? 441) \_\_\_\_\_  
 A) \$1093.75 B) \$857.50 C) \$938.50 D) \$936.25
- 442) Suppose that you own a home which is valued at \$153,000. You must move to a different city. Use the formula below to find out how much it would cost to buy a similar (replacement) home in the city that you will move to. Assume that the index of your city is 207 and that the index of the new city is 137. Round your answer to the nearest dollar. 442) \_\_\_\_\_  
 Cost of Your Home in New City =  
 (Value of Your Home)  $\div$  (Index of Your City)  $\times$  (Index of New City)  
 A) \$101,261 B) \$231,175 C) \$106,761 D) \$223,575
- 443) A car rental company charges \$22 per day and \$0.35 per mile to rent a car. What is the total bill if a car is rented for 3 days and is driven 148 miles? 443) \_\_\_\_\_  
 A) \$3307.8 B) \$67.05 C) \$117.80 D) \$14.20
- 444) BT&T charges \$0.31 for the first minute and \$0.28 for each additional minute for a long-distance call. How much will a 30 minute long-distance call cost? 444) \_\_\_\_\_  
 A) \$8.71 B) \$8.40 C) \$8.43 D) \$9.30
- 445) Scrambled Electronics will finance a \$237 TV set for \$50 down and \$34.70 a month for 6 months. How much money can you save by paying cash for the TV set? 445) \_\_\_\_\_  
 A) \$28.80 B) \$258.20 C) \$78.80 D) \$21.20
- 446) In order to buy a \$20,000 car, you put down \$2500 and take out a loan on the balance. To pay off the loan, you pay \$359.72 per month for the following 72 months. How much more will you end up paying for the car than the original price of \$20,000? Round your answer to the nearest dollar. 446) \_\_\_\_\_  
 A) \$28,400.00 B) \$5900.00 C) \$25,900.00 D) \$8400.00

- 447) In Antarctica, the high temperatures for the last four days have been  $17.2^{\circ}$ ,  $5.6^{\circ}$ ,  $6.2^{\circ}$ , and  $10.3^{\circ}$ . What is the average high temperature for this four-day period? 447) \_\_\_\_\_
- A)  $9.225^{\circ}$       B)  $9.825^{\circ}$       C)  $7.845^{\circ}$       D)  $10.475^{\circ}$

- 448) The following table gives the electricity usage (in kilowatt hours) for the Peters family for the first six months of this year. 448) \_\_\_\_\_

Month	Jan	Feb	Mar	Apr	May	Jun
# of kwh	948.5	1172.4	823.7	926.4	867.1	1003.9

What is the average electricity usage for the months January through April?

- A) 978.74 kwh      B) 965.451 kwh      C) 973.76 kwh      D) 967.75 kwh

**SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.**

Provide an appropriate response.

- 449) Explain the difference between saying "Subtract 3.2 from 5.9" and saying "3.2 minus 5.9." 449) \_\_\_\_\_

- 450) What is the rule for multiplying a decimal number by 100,000? 450) \_\_\_\_\_

- 451) What is the rule for dividing a decimal number by 0.01? 451) \_\_\_\_\_

- 452) Explain what happens when you round 0.00049 to the thousandths place. 452) \_\_\_\_\_

- 453) What is wrong with the following addition?  
 $25 + .23 = 0.48$  453) \_\_\_\_\_

- 454) Explain how you would convert  $\frac{3}{8}$  to decimal notation. 454) \_\_\_\_\_

- 455) Jan's teacher asked her which number was larger, 11.679 or 11.681. Jan said that the first number was larger because it had 9 thousandths while the second number had only 1 thousandth. What is wrong with Jan's reasoning? 455) \_\_\_\_\_

- 456) Daniel wanted to convert 0.357 and 1.357 to fractional notation and he wrote  
 $0.357 = \frac{357}{1000}$        $1.357 = \frac{1357}{10000}$  456) \_\_\_\_\_

Do you agree with either of these answers? If not, where did Daniel go wrong? Explain your thinking and give the correct answers.

457) A student wanted to estimate  $21.5 \times 0.0079$  by first rounding each number. He solved the problem as follows.

457) \_\_\_\_\_

$21.5 \times 0.0079$  is approximately equal to  $20 \times 0.008$ , which is equal to 0.16. So he estimated the answer as 0.016. Do you agree with the answer? If not, explain where the student went wrong and give the correct answer.

Answer Key

Testname: UNTITLED3

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

Answer Key

Testname: UNTITLED3

- 43) A
- 44) B
- 45) B
- 46) B
- 47) A
- 48) A
- 49) A
- 50) B
- 51) A
- 52) A
- 53) A
- 54) B
- 55) B
- 56) C
- 57) B
- 58) B
- 59) C
- 60) A
- 61) B
- 62) D
- 63) C
- 64) C
- 65) D
- 66) C
- 67) C
- 68) C
- 69) B
- 70) D
- 71) C
- 72) A
- 73) C
- 74) A
- 75) A
- 76) A
- 77) A
- 78) C
- 79) C
- 80) B
- 81) B
- 82) B
- 83) B
- 84) C



Answer Key

Testname: UNTITLED3

- 85) C
- 86) D
- 87) C
- 88) A
- 89) A
- 90) C
- 91) C
- 92) D
- 93) C
- 94) D
- 95) C
- 96) B
- 97) D
- 98) D
- 99) A
- 100) C
- 101) C
- 102) B
- 103) C
- 104) D
- 105) B
- 106) D
- 107) A
- 108) D
- 109) B
- 110) D
- 111) D
- 112) B
- 113) D
- 114) C
- 115) B
- 116) C
- 117) A
- 118) D
- 119) C
- 120) D
- 121) B
- 122) A
- 123) D
- 124) C
- 125) B
- 126) D

Answer Key

Testname: UNTITLED3

- 127) D
- 128) B
- 129) C
- 130) C
- 131) A
- 132) B
- 133) C
- 134) C
- 135) B
- 136) C
- 137) D
- 138) A
- 139) A
- 140) B
- 141) C
- 142) B
- 143) A
- 144) D
- 145) C
- 146) B
- 147) B
- 148) D
- 149) B
- 150) D
- 151) D
- 152) B
- 153) D
- 154) C
- 155) D
- 156) B
- 157) A
- 158) D
- 159) D
- 160) C
- 161) A
- 162) D
- 163) A
- 164) D
- 165) A
- 166) A
- 167) D
- 168) B

Answer Key

Testname: UNTITLED3

- 169) D
- 170) A
- 171) A
- 172) B
- 173) B
- 174) A
- 175) D
- 176) B
- 177) D
- 178) C
- 179) B
- 180) D
- 181) B
- 182) B
- 183) B
- 184) C
- 185) D
- 186) D
- 187) C
- 188) D
- 189) A
- 190) A
- 191) A
- 192) A
- 193) A
- 194) B
- 195) D
- 196) A
- 197) A
- 198) C
- 199) C
- 200) D
- 201) D
- 202) C
- 203) A
- 204) A
- 205) C
- 206) D
- 207) A
- 208) C
- 209) C
- 210) C

Answer Key

Testname: UNTITLED3

- 211) B
- 212) C
- 213) D
- 214) D
- 215) D
- 216) B
- 217) C
- 218) A
- 219) D
- 220) D
- 221) A
- 222) D
- 223) B
- 224) D
- 225) B
- 226) C
- 227) C
- 228) A
- 229) C
- 230) A
- 231) D
- 232) D
- 233) D
- 234) C
- 235) A
- 236) B
- 237) D
- 238) D
- 239) C
- 240) D
- 241) B
- 242) C
- 243) C
- 244) B
- 245) A
- 246) C
- 247) C
- 248) B
- 249) D
- 250) B
- 251) B
- 252) D

Answer Key

Testname: UNTITLED3

- 253) C
- 254) B
- 255) D
- 256) B
- 257) D
- 258) C
- 259) D
- 260) B
- 261) D
- 262) D
- 263) C
- 264) C
- 265) D
- 266) D
- 267) D
- 268) D
- 269) A
- 270) C
- 271) B
- 272) D
- 273) B
- 274) D
- 275) D
- 276) D
- 277) B
- 278) B
- 279) C
- 280) A
- 281) C
- 282) D
- 283) D
- 284) D
- 285) C
- 286) D
- 287) B
- 288) A
- 289) B
- 290) B
- 291) C
- 292) A
- 293) A
- 294) C

Answer Key

Testname: UNTITLED3

- 295) D
- 296) A
- 297) D
- 298) A
- 299) C
- 300) D
- 301) D
- 302) C
- 303) B
- 304) C
- 305) C
- 306) A
- 307) A
- 308) A
- 309) A
- 310) C
- 311) C
- 312) C
- 313) C
- 314) A
- 315) B
- 316) A
- 317) B
- 318) B
- 319) D
- 320) D
- 321) B
- 322) D
- 323) D
- 324) D
- 325) C
- 326) C
- 327) B
- 328) B
- 329) C
- 330) D
- 331) C
- 332) B
- 333) B
- 334) D
- 335) B
- 336) C

Answer Key

Testname: UNTITLED3

- 337) C
- 338) A
- 339) D
- 340) A
- 341) D
- 342) D
- 343) A
- 344) C
- 345) A
- 346) B
- 347) D
- 348) D
- 349) B
- 350) D
- 351) D
- 352) D
- 353) A
- 354) B
- 355) C
- 356) B
- 357) A
- 358) A
- 359) B
- 360) D
- 361) D
- 362) A
- 363) D
- 364) D
- 365) C
- 366) A
- 367) A
- 368) C
- 369) C
- 370) D
- 371) B
- 372) B
- 373) D
- 374) C
- 375) A
- 376) C
- 377) D
- 378) A

Answer Key

Testname: UNTITLED3

- 379) C
- 380) C
- 381) C
- 382) C
- 383) C
- 384) A
- 385) D
- 386) D
- 387) A
- 388) C
- 389) A
- 390) A
- 391) C
- 392) C
- 393) D
- 394) B
- 395) D
- 396) D
- 397) B
- 398) B
- 399) C
- 400) B
- 401) B
- 402) B
- 403) A
- 404) D
- 405) A
- 406) B
- 407) C
- 408) A
- 409) A
- 410) A
- 411) B
- 412) C
- 413) D
- 414) D
- 415) B
- 416) C
- 417) D
- 418) B
- 419) A
- 420) C



Answer Key

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- 421) D
- 422) A
- 423) D
- 424) B
- 425) D
- 426) C
- 427) D
- 428) C
- 429) A
- 430) D
- 431) A
- 432) B
- 433) A
- 434) A
- 435) D
- 436) D
- 437) D
- 438) D
- 439) D
- 440) B
- 441) D
- 442) A
- 443) C
- 444) C
- 445) D
- 446) D
- 447) B
- 448) D
- 449)  $5.9 - 3.2$  versus  $3.2 - 5.9$
- 450) Move the decimal point 5 places to the right.
- 451) Move the decimal point 2 places to the right.
- 452) The answer will be 0.0 since the digit to the right of the place to which we are rounding is less than or equal to 4.
- 453) The correct answer is 25.23. The student added 0.25, not 25.

# Answer Key

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454) Answers will vary. Possible answer: Perform the division  $3 \div 8$  as shown below.

$$\frac{3}{8} =$$

$$3 \div 8 = \begin{array}{r} 0.375 \\ 8 \overline{) 3.000} \\ \underline{24} \phantom{00} \\ 60 \phantom{0} \\ \underline{56} \phantom{0} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

In decimal notation,  $\frac{3}{8}$  is equal to 0.375.

455) Answers will vary. Possible answer: When comparing two numbers in decimal notation, one should start at the left, not at the right, comparing corresponding digits moving left to right until a difference is found. If one starts at the left, the first difference is found in the hundredths place. Since 8 is larger than 7, the second number is larger.

456) Answers will vary. Possible answer: The first answer is correct. The second answer is not correct. When converting from a decimal to a fraction, the denominator depends only on the number of digits to the right of the decimal point. The second answer should also have a denominator of 1000 since 1.357 also has 3 digits to the right of the decimal point. The second answer should be  $1.357 = \frac{1357}{1000}$ .

457) Answers will vary. Possible answer:  $20 \times 0.008$  is equal to 0.16, not to 0.016. His estimate should have been 0.16.