Decimals answers

<u>Q1:</u>

a. Align the numbers underneath each others to compare the digits

0 . 6 7
0 . 0 7 4
0 . 8 0 2

- 0 < 6 < 8

- The correct order will be $0.074 < 0.67 < 0.802$

b. $0.09999 < 0.1 < 0.21$

c. $0.32 < 0.34 < 0.39$

d. $1.4 < 2.25 < 3.1$

<u>Q2:</u>

When rounding decimals the rule is : 5 or more round up, 4 or less stays

the same

• Tenth:

   a. 6.**2**3 = 6.2

   b. 5.**8**8 = 5.9

   c. 4.**5**6 = 4.6

   d. 9.**7**1 = 9.7

•Hundredth:

    a. 7.5<u>7</u>6 = 7.58

    b. 12.0<u>2</u>16 = 12.02

    c. 3.7<u>8</u>5 = 3.79

    d. 20.1<u>0</u>73 = 20.11

•Thousandth:

    a.1.34<u>9</u>8 = 1.350

    b. 35.01<u>6</u>31 = 35.016

    c. 112.97<u>8</u>67 = 112.979

    d. 2.12<u>2</u>4 = 2.122

<u>Q3</u>: Addition

a. 7.34 + 10.21 = 17.55

b. 3.25 + 0.06 = 3.31

c. 1.99 + 9.01 = 11

d. 20.37 + 55.98 = 76.35

<u>Q4</u>: Subtract

a. 32.19 - 7.81 = 24.38

b. 8.71 - 6.15 = 2.56

c. 23.15 - 9 = 14.15

d. 7.97 - 7.46 = 0.51

<u>Q5</u> : Multiply

a. (0.007)(0.00485) =

-Multiply the digits,   7 x 485 = 3395

- count the total number of decimal places 0.007 has 3 and

0.00485 has 5, 5 + 3 = 8, since the result of 7 x 485 is less than 8,

must add 4 zeros, the final result will be 0.00003395

b. (0.98)(0.3) = 0.294

c. (3.62)(5.01) = 18.1362 (total decimal places is 4, the decimal point

is placed after the fourth number from the right)

d. (10.57)(24.5) = 258.965