Worksheet

Q1

a A decimal fraction whose denominator is 10 or multiple of 10

b $\frac{133}{10}$ can be written as 13.3 in decimal

c In 125.356, .356 is the decimal part

d A decimal point separates a whole number

e If two decimal fraction have unequal number of decimals places, they are called unlike decimal fractions.

f Rounding of 9.563 to the nearest hundredths, we get 9.56

g Two fifteenth is the number name for = 2.15

b When multiplying a decimal number by 100 the decimal point will move to ~~the right~~ two places right:

i 0.3269×1000 3269

j i $6245 \times 21 : 5145$ then $24.5 \times 21 = 514.5$

Q2

a Arrange in ascending order using > or < 12.02, 21.12, 20.12

A $12.02 < 20.12 < 21.12$

b Write in expaded form 1253.236

A $1000 + 200 + 50 + 3 + \frac{2}{10} + \frac{3}{100} + \frac{6}{1000}$

c Convert to decimal: $\frac{17}{25}$

A $\frac{17}{25}$ · 17 ÷ 25 = 170 ÷ 25 = 0.68

d Arrange in descending order
36.23, 56.20, 36.02

A 56.20 > 36.23 > 36.02

e Convert to fraction: 9.23

A $\frac{923}{100}$

Q3 Add these 10.1, 100.01, 11.11, 101.011

A

10.011		101.011
100.01		100.01
11.11		11.11
+ 10.1		+ 10.1
222.231		222.231

b How much should be subtracted from 1200 to get 1050.36

A
$$\begin{array}{r} {}^{1}{}^{9}{}^{9}\,{}^{9}\,{}^{10} \\ 1200.00 \\ -\,1050.36 \\ \hline 1149.64 \end{array}$$

So 1149.64 should be subtracted from 1200 to get 1050.36

C Simplify $2000 - 236.45 - 589.963 + 0.3659$

$$\begin{array}{r} 2000.0000 \\ +\quad 0.3659 \\ \hline 2000.3659 \end{array} \qquad \begin{array}{r} {}^{1} \\ 589.963 \\ +\,236.45 \\ \hline 826.413 \end{array}$$

$$\begin{array}{r} 2000.3659 \\ -\,826.4130 \\ \hline 1173.9529 \end{array}$$

c Divide 51.2 ÷ 5000

```
        0.01024
5000 | 51.2
     - 0
      ------
       5120
     - 5000
      ------
        1200
     -    0
      ------
        12000
     - 10000
      ------
        20000
     - 20000
      ------
            0
```

d. Find the value 3.456 X 3.65

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   3.456
X  3.65
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  17280
 207360
1036800
-------
12.61440
```