Decimals

Solution -01:-

(i) 30.5

Thirty point five (or)

thirty and five tenths.

(ii) 0.03

zero point zero three.

(iii) 108.56

one hundred eight point five six.

(iv) 47.20

Forty seven point two zero.

(v) 5.008.

Five point zero zero eight.

(vi) 26.039

Twenty six point zero three nine.

Solution -02:-

Places	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
Values.	1000	100	10	1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
(i) 4.2				4	2		
(ii) 0.3				0	3		
(iii) 205.9		2	0	5	9		
(iv) 0.29				0	2	9	
(v) 2.08				2	0	8	
(vi) 7200.812	7	2	0	0	8	1	2.
(vii) 38.007			3	8	0	0	7.

Solution-03:-

(i) $123.7 = 1\times100 + 2\times10 + 3\times1 + 7\times\frac{1}{10}$

$= 100 + 20 + 3 + \frac{07}{10}$

(ii) $43.06 = 4\times10 + 3\times1 + 0\times\frac{1}{10} + 6\times\frac{1}{100}$

$= 40 + 3 + \frac{0}{10} + \frac{6}{100}$.

(iii) $509.306 = 5\times100 + 0\times10 + 9\times1 + 3\times\frac{1}{10} + 0\times\frac{1}{100} + 6\times\frac{1}{1000}$.

$= 500 + 0 + 9 + \frac{3}{10} + \frac{0}{100} + \frac{6}{1000}$

Solution-04:-

(i) $200 + 60 + 5 + \frac{3}{10} = 2\times100 + 6\times10 + 5\times1 + 3\times\frac{1}{10}$

$= 265.3$

(ii) $50 + \frac{1}{10} + \frac{6}{100} = 5\times10 + 0\times1 + 1\times\frac{1}{10} + 6\times\frac{1}{100}$

$= 50.16.$

(iii) $70 + 6 + \frac{7}{10} + \frac{9}{1000} = 7\times10 + 1\times6 + 7\times\frac{1}{10} + 0\times\frac{1}{100} + 9\times\frac{1}{1000}$

$= 76.709.$

(iv) $600 + 7 + \frac{3}{100} + \frac{6}{1000} = 6\times100 + 0\times10 + 7\times1 + 0\times\frac{1}{10} + 3\times\frac{1}{100} + 6\times\frac{1}{1000}$

$= 607.036.$

Solution-06:-

(i) Given number $= 7\times1000 + 1\times100 + 0\times10 + 2\times1 + 3\times\frac{1}{10} + 0\times\frac{1}{100} + 6\times\frac{1}{1000}$.

$= 7000 + 100 + 0 + 2 + \frac{3}{10} + 0 + \frac{6}{1000}$

$= 7102.306$.

(ii) Given number $= 2\times100 + 1\times10 + 1\times1 + 9\times\frac{1}{10} + 0\times\frac{1}{100} + 2\times\frac{1}{1000}$.

$= 211.902$

(iii) Given number $= 3\times1000 + 0\times100 + 5\times10 + 3\times1 + 0\times\frac{1}{10} + 1\times\frac{1}{100} + 5\times\frac{1}{1000}$.

$= 3053.015$.

(iv) Given number $= 7\times10 + 0\times1 + 0\times\frac{1}{10} + 3\times\frac{1}{100}$

$= 70.03$.

(v). Given number $= 5\times1 + 4\times\frac{1}{10} + 0\times\frac{1}{100}$

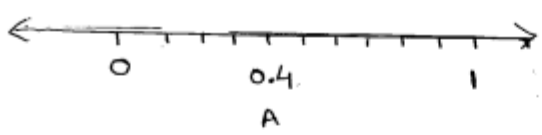
$= 5.40$.

(vi) Given number $= 7\times100 + 1\times10 + 9\times1 + 0\times\frac{1}{10} + 2\times\frac{1}{100} + 8\times\frac{1}{1000}$.

$= 719.028$.

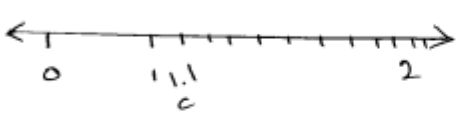
Solution -07:-

(i)

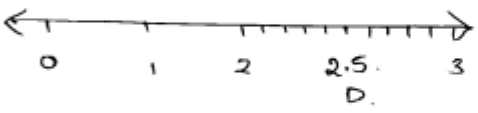


(ii)

(iii)



(iv)



Solution -08:-

The decimal numbers represented by points A, B, C and D are 0.8, 1.3, 2.2 and 2.9 respectively.

Solution -09 :-

(i) 0 and 0.1

(ii) 0.4 and 0.5

(iii) 0.6 and 0.7

(iv) 0.9 and 1.0.

Exercise - 7.2

Solution-01:-

(i) $\frac{531}{10} = 53.1$

(ii) $\frac{422}{100} = 4.22$

(iii) $\frac{58301}{1000} = 58.301$

(iv) $\frac{7}{10} = 0.7.$

(v) $\frac{3}{100} = 0.3$

(vi) $\frac{37}{1000} = 0.037.$

Solution-02:-

(i) $54.01 = 50 + 4\times1 + 0\times\frac{1}{10} + 1\times\frac{1}{100}$

$= \frac{5000+400+0+1}{100}$

$= \frac{5401}{100}.$

(ii) $318.105 = 3\times100 + 1\times10 + 8\times1 + 1\times\frac{1}{10} + 0\times\frac{1}{100} + 5\times\frac{1}{1000}$

$= \frac{300\times1000 + 10\times1000 + 8\times1000 + 1\times100 + 0+5}{1000}.$

$= \frac{318105}{1000}.$

(iii) $0.37 = 0 \times 1 + 3 \times \frac{1}{10} + 7 \times \frac{1}{100}$

$$= \frac{0 \times 100 + 3 \times 10 + 7}{100}$$

$$= \frac{37}{100}.$$

(iv) $0.047 = 0 \times 1 + 0 \times \frac{1}{10} \times 4 \times \frac{1}{100} + 7 \times \frac{1}{1000}.$

$$= \frac{0 + 0 + 4 \times 10 + 7 \times 1}{1000}$$

$$= \frac{47}{1000}.$$

(v) $0.03 = 0 \times 1 + 0 \times \frac{1}{10} + 3 \times \frac{1}{100}$

$$= \frac{0 + 0 \times 10 + 3 \times 1}{100}$$

$$= \frac{3}{100}.$$

(vi) $34.5 = 3 \times 10 + 4 \times 1 + 5 \times \frac{1}{10}$

$$= \frac{30 \times 10 + 4 \times 10 + 5 \times 1}{10}$$

$$= \frac{300 + 40 + 5}{10}$$

$$= \frac{345}{10}.$$

Solution -03

(i) $0.8 = \frac{8}{10}$

$= \frac{4}{5}$

(ii) $0.04 = \frac{4}{100}$

$= \frac{1}{25}$

(iii) $0.125 = \frac{125}{1000}$

$= \frac{1}{8}$

(iv) $0.225 = \frac{225}{1000}$

$= \frac{9}{40}$

(v) $0.066 = \frac{66}{1000}$

$= \frac{33}{500}$

(vi) $0.092 = \frac{92}{1000}$

$= \frac{46}{5000}$

$= \frac{23}{250}$.

Solution -04:

(i) $31.6 = 30 + 1.6$

$= 3 \times 10 + 1 \times 1 + \frac{6}{10}$

$= 31\frac{6}{10}$.

(ii) $3.25 = 3\times1 + 2\times\frac{1}{10} + 5\times\frac{1}{100}$

$= \frac{3\times100 + 2\times10 + 5\times1}{100}$

$= \frac{325}{100} = \frac{300}{100} + \frac{25}{100} = 3 + \frac{25}{100}$

$= 3\frac{25}{100} = 3\frac{1}{4}$.

(iii) $7.025 = 7\times1 + 0\times\frac{1}{10} + 2\times\frac{1}{100} + 5\times\frac{1}{1000}$.

$= \frac{7\times1000 + 0\times100 + 2\times10 + 5}{1000}$

$= \frac{7025}{1000} = \frac{7000}{1000} + \frac{25}{1000} = 7 + \frac{25}{1000}$.

$= 7\frac{25}{1000}$

$= 7\frac{1}{40}$.

(iv) $95.95 = 95 + \frac{95}{100}$

$= 95 + \frac{19}{20}$

$= 95\frac{19}{20}$.

Solution-05:-

(i) $\frac{4}{5}$.

convert the each fraction into an equivalent decimal fraction i.e with denominators 10, 100, 1000 . . . .

$\frac{4}{5} = \frac{4\times2}{5\times2} = \frac{8}{10} = 0.8$

(ii) $\frac{6}{25} = \frac{6\times4}{25\times4}$

$= \frac{24}{100} = 0.24$

(iii) $\frac{112}{125} = \frac{112\times8}{125\times8}$

$= \frac{896}{1000} = 0.896$

(iv) $\frac{3}{4} = \frac{3\times25}{4\times25} = \frac{75}{100}$

$= 0.75$

(v) $\frac{3}{8} = \frac{3\times125}{8\times125} = \frac{375}{1000}$

$= 0.375$

(vi) $7\frac{3}{40} = 7 + \frac{3}{40} = 7 + \frac{3\times25}{40\times25}$

$= 7 + \frac{75}{1000}$

$= 7 + 0.075$

$= 7.075$

Solution-06 :-

(i) The like decimal numbers have equal number of decimal places.

the like decimal numbers equivalent to

e.g. 17.5 , 3.912 are 17.500 , 3.912

Addition of zero(s) at the end of a decimal number does not change the value of the number.

(ii) the decimal like numbers equivalent to 5.04, 13.1902 are 5.0400 and 13.1902.

(iii) the like decimal numbers equivalent to 2.451, 3.7, 28.34 are 2.451, 3.700, 28.340.

(iv) the like decimal numbers equivalent to 3.1, 2.678 and 27.0103 are 3.1000, 2.6780 and 27.0103.

(∵ Addition of zero(s) at the end of a decimal number does not change the value of a number)

Solution-07:-

(i) 0.3, 0.4

0.3 and 0.4 are like decimal numbers.

We note that the whole number parts of given numbers are equal.

Let us compare 10^{th} digits.

In 0.3, digit at tenths place = 3 and
in 0.4, digit at " = 4.

since 4 > 3, therefore 0.4 > 0.3.

(ii) First, we convert the given decimal numbers to like decimal numbers which are equivalent.

the like decimal numbers equivalent to 1, 0.99 are 1.00 and 0.99.

we note that the whole number parts of given numbers are not equal.

ones digit of 1.00 is 1
" of 0.99 is 0.

Since 1 > 0, therefore 1 > 0.99
1.00 > 0.99.

(iii) 1.09, 1.093.

The like decimal numbers equivalent to 1.09, 1.093 are 1.090 and 1.093.

We note that the whole number parts of given numbers are equal.

Let us now compare their tenth digits

In both numbers, digit at tenths place = 0.

So, we compare hundredths digits.

So, we compared in both numbers, digits at hundredths place = 9.

then we compare thousandths digits

In 1.090, digit at thousandths place = 0

1.093 " = 3

Since 3 > 0, therefore 1.093 > 1.09.

(iv) 0.5, 0.05.

The like decimal numbers equivalent to 0.5, 0.05 are 0.50 and 0.05

We note that whole number parts of given numbers are equal.

Let us now compare their tenth digits

In 0.5, digit at tenths place = 5

0.05, " = 0

Since 5 > 0, therefore 0.5 > 0.05.

Solution-08:-

(i) Express the given numbers decimals as like decimals, we get 45.78 and 345.80.

We compare whole number parts

In 45.78 whole number is 45

345.80 " 345

since 345 > 45, therefore 45.78 < 345.80.

(ii) Express the given decimals as like decimals.

we get 37.701, and 37.710.

we note that the whole number parts of a given numbers are equal.

Let us now compare their tenths digits

In both numbers, digits at tenths place = 7

So, we compare hundredths digits

In 37.701, hundredths digit is 0

37.710 " is 1

Since 0 < 1, therefore 37.701 < 37.710

(iii) Express the given decimals as like decimals

5.907 and 5.903.

we note, the whole number parts of a given numbers are equal

Let us now compare their tenths digits

In both numbers, digits at tenths place = 9.

Let us now compare their hundredths digits

In both numbers, digits at hundredths place = 0.

So, we compare thousandths digits.

In 5.907, thousandths digit is 7.

5.903, " is 3.

since 3 < 7, therefore 5.903 < 5.907

Solution-09:-

(i) 27.35 , 27.305 , 2.7, 2.543

Expressing the given decimal numbers as like decimal numbers, we get

27.350, 27.305, 2.700, 2.543

on comparing these like decimal numbers we find that

$2.543 < 2.700 < 27.305 < 27.350$

Thus, $2.543 < 2.7 < 27.305 < 27.35$.

Hence the given decimal numbers in ascending order are 2.543, 2.7, 27.305 and 27.35

(ii) 4.53, 4.07, 29.1, 0.9, 0.709.

Expressing the given decimal numbers as like decimal numbers, we get

4.530, 4.070, 29.100, 0.900, 0.709

on comparing these like decimal numbers we find that

$29.100 > 4.530 > 4.070 > 0.900 > 0.709$

Thus $0.709 < 0.9 < 4.07 < 4.53 < 29.1$.

Hence, the given decimal numbers in ascending order are 0.709, 0.9, 4.07, 4.53 and 29.1.

Solution-10:-

(i) 3.303, 33.03, 3.3, 30.33

Expressing the given decimal numbers as like decimal numbers, we get

3.303, 33.030, 3.300, 30.330.

On comparing these like decimal numbers, we find that

$3.300 < 3.303 < 30.330 < 33.030$.

Thus, $3.3 < 3.303 < 30.33 < 33.03$.

Hence, the given numbers in descending order are 33.03, 30.33, 3.303, 3.3.

(ii) 72.5, 2.75, 27.505, 0.275, 2.507.

Expressing the given decimals as like decimals, we get

72.500, 2.750, 27.505, 0.275, 2.507.

on comparing the given decimal numbers, we get

$72.500 > 27.505 > 2.750 > 2.507 > 0.275$

Thus, $72.5 > 27.505 > 2.75 > 2.507 > 0.275$

Hence, the give numbers in descending order are

72.5, 27.505, 2.75, 2.507, 0.275.

Exercise- 7.3

Solution - 01:-

(i) 17.5
+ 8.8
26.3

(ii) 9.999
+ 0.030
10.029

(iii) 5.87
1.03
+ 0.10
7.00

(iv) 23.710
9.900
+ 4.023
37.633

(v) 4.500
16.024
+ 7.990
28.514

(vi) 8.790
23.00
5.400
+ 0.875
38.066

∴ 8.790 + 23.001 + 5.4 + 0.875 = 38.066.

Solution-02:-

(ii) 19.010
12.234
6.776

(i) 5.82
2.65
3.17

(iii) 15.400
(+) 3.015
18.415

18.415
(-) 14.237
4.178

∴ 15.4 + 3.015 - 14.237 = 4.178

(iv) 7.40
- 2.19
5.21

5.210
- 0.456
4.754

4.754
- 3.500
1.254

Solution - 02 :-

(v) 19.270
3.600
15.670

15.670
(-) 8.812
6.858

6.858
(+) 0.840
7.698

(vi) 6.400
2.351
4.049

4.049
0.999
3.950

3.950
1.450
2.500

$\therefore$ 6.4 - 2.351 - 1.45 - 0.999 = 2.5

Solution-03:

Let the required number be 'x' to be added.

$$x + 0.756 = 1$$

$$\begin{array}{r} 1.000 \\ 0.756 \\ \hline 0.244 \end{array}$$

$\therefore$ 0.244 to be added to get 1.

Solution-04:-

The required number is the difference between 17.45 and 7.9702.

$$\begin{array}{r} \therefore\ 17.4500 \\ 7.9702 \\ \hline 9.4798 \end{array}$$

$\therefore$ 9.4798 to be decreased to get 7.9702.

Exercise - 7.4

Solution - 01:-

(i) 3.7×4.5

(a) Ignore the decimal Points and multiply the numbers.

(b) count the number of decimal Places in each number. In the first number 3.7, there is 1 decimal place and in the second number 4.5, there is 1 decimal Place; their sum $1+1=2$.

(c) Using this sum, start at the right of the Product 1665 and count off 2 places. Then place the decimal point.

$$\begin{array}{r} 3.7 \\ \times 4.5 \\ \hline 185 \\ 148\times \\ \hline 1665 \end{array} \quad 3\ 2$$

$\therefore 3.7 \times 4.5 = 16.65$

(ii) 12.08×9.3

$$\begin{array}{r} 1208 \\ \times 93 \\ \hline 3624 \\ 11572\times \\ \hline 119344 \end{array} \quad \begin{matrix} 2 \\ 1 \end{matrix}$$

(a) Ignore the decimal Points and multiply the numbers

(b) count the number of decimal Places in each number in first number 12.08, there is 2 decimal place and in the Second number 9.3 is 1 decimal place their sum $2+1=3$.

(c) Using this Sum, start at the right of the product 119344 and count 3 Places. Then Place decimal Point.

(iii). 238.06 × 7.5

```
  23806
  ×  75
 ------
 119030
166642×
-------
1785450
```

(a) Ignore the decimal points and multiply the numbers.

(b) Count the number of places in each decimal numbers, in the first number 238.06 there are two decimal places and in the second number 7.5, there are one decimal place; their sum = 1+2=3

(c) Using this sum, start at the right of the product 1785450 and count off 3 places, then place the decimal point.

(iv). 0.79 × 32.4

0.79 × 32.4 =

```
 0.79        79
×32.4     × 324
         ------
            316
           158×
          237××
         ------
          25596
```

(a) Ignore the decimal points and multiply the numbers.

(b) Count the number of places in each decimal numbers in the first number 0.79, there are two decimal places and in the second number 32.4, there is one decimal place; their

Sum = 1+2 = 3.

(c) Using this sum, start at the right of the product 25596 and count off 3 places. then place the decimal point.

(V) $3.6 \times 1.4 \times 0.7$.

Steps

(a) Ignore the decimal Points and multiply the numbers.

(b) count the number of decimal places in each number In the first number 3.6, there is 1 decimal place, and in the second number 1.4, there is 1 decimal place, in the third number 0.7, there is 1 decimal place.

their Sum = 1+1+1 = 3.

$$\begin{array}{r} 3.6 \\ \times 1.4 \end{array} = \begin{array}{r} 36 \\ \times 14 \\ \hline 504 \\ \times 7 \\ \hline 3528 \end{array} \quad \begin{array}{l} \\ 8 \\ \\ 2 \\ \\ \end{array}$$

(c) using this sum, start at the right of the product 3528 and count off 3 places. Then place at the decimal point.

3.528

(VI) $9.01 \times 2.5 \times 1.6$

Steps

(a) Ignore the decimal Points and multiply the numbers

(b) count the number of decimal Places in each number in the first number 9.01, there are 2 decimal Places and in the second number 2.5, there is 1 decimal place, in the third number 1.6, there is 1 decimal Place

their Sum = 1+2+1 = 4.

$$\begin{array}{r} 901 \\ \times 25 \\ \hline 22525 \\ \times 16 \\ \hline 360400 \end{array} \quad \begin{array}{l} \\ 2 \\ \\ 8\,4\,8\,4 \\ \end{array}$$

(c) using this Sum, start at the right of Product 360400 and count off 4 Places. Then place at the decimal Point

36.0400

Solution - 02.

(i) $70.756 \div 4$

$$
\begin{array}{r}
17.689 \\
4\overline{)70.756} \\
4 \\
\hline
30 \\
28 \\
\hline
27 \\
24 \\
\hline
35 \\
32 \\
\hline
36 \\
36 \\
\hline
0
\end{array}
$$

[Place the decimal point in the quotient just completing the division of the whole number part of dividend.]

Hence, $70.756 \div 4 = 17.689$

(ii) $2.46 \div 6$

$$
\begin{array}{r}
4.1 \\
6\overline{)24.6} \\
24 \\
\hline
6 \\
6 \\
\hline
0.
\end{array}
$$

[Place the decimal point in the quotient just completing the division of the whole number part of dividend.]

(iii) $3.016 \div 8$

$$
\begin{array}{r}
\\
8\overline{)3.016}(0.77 \\
24 \\
\hline
61 \\
56 \\
\hline
56 \\
56 \\
\hline
0
\end{array}
$$

(iv) $8.64 \div 3.6$.

To convert the divisor in to natural number, Shift decimal point to right by one place.

$$8.64 \div 3.6 = \frac{8.64}{3.6}$$

$$= \frac{86.4}{36.}$$

$$36\overline{)86.4}\ (2.4$$
$$72$$
$$144$$
$$144$$
$$0$$

Hence

(iii) $72.8 \div 0.04$.

To convert the divisor into natural number, Shift decimal point to right by two places.

$$\frac{72.8}{0.04} = \frac{72.8 \times 100}{4}$$

$$= \frac{7280}{4}$$

$$4\overline{)7280}\ (1820$$
$$4$$
$$32$$
$$32$$
$$08$$
$$08$$
$$00$$

Hence $72.8 \div 0.04 = 1820$.

(vi) $0.144 \div 0.2$.

To convert the divisor into natural number, Shift decimal point to right by one place

$$\frac{0.144}{0.2} = \frac{0.144 \times 10}{2}$$

$$= \frac{1.44}{2}$$

$$2\overline{)1.44}\ (0.72$$
$$14$$
$$04$$
$$04$$
$$0$$

$\therefore$ $1.44) 2 = 0.72$

$1.44 \div 2 = 0.72$.

Solution - 03

(i) 4.7.

To multiply a decimal number 4.7 by 10, Shift the decimal point to the right by one place 47.

To multiply a decimal number 4.7 by 100, shift the decimal point to the right by two places 470.

To multiply a decimal number 4.7 by 1000, shift the decimal point to the right by three places 4700.

(ii) 3.45.

To multiply a decimal number 3.45 by 10, Shift the decimal point to the right by one place 34.5

To multiply a decimal number 3.45 by 100, Shift the decimal point to the right by two places 345

To multiply a decimal number 3.45 by 1000, shif the decimal point to the right by three places 3450.

(iii) 0.234.

To multiply a decimal number 0.234 by 10, Shift the decimal point to the right by one place 2.34.

To multiply a decimal number 0.234 by 100, Shift the decimal point to the right by two places 23.4

To multiply a decimal number 0.234 by 1000 shift the decimal point to the right by three places 234.

Solution-04:-

(i) To divide a decimal number by 10, shift the decimal point to Left by one place $\frac{4.7}{10} = 0.47$.

To divide a decimal number by 100, shift the decimal point by to Left by ~~one~~ two place $\frac{4.7}{100} = 0.047$.

To divide a decimal number by 1000, shift the decimal point to Left by three places $\frac{4.7}{1000} = 0.0047$

(ii) 3.45

$\frac{3.45}{10} = 0.345$

$\frac{3.45}{100} = 0.0345$

$\frac{3.45}{1000} = 0.00345$

(iii) 23.01

$\frac{23.01}{10} = 2.301$

$\frac{23.01}{100} = 0.2301$

$\frac{23.01}{1000} = 0.02301$

Exercise-7.5

Solution-01:-

(i) 75 Paise

1 Rs = 100 Paise.

75 Paise = ₹ $\frac{75}{100}$

= ₹0.75

(ii) 1025 Paise = ₹ $\frac{1025}{100}$

= ₹10.25 Paise

(iii) 63 rupees 9 Paise

= 6309 paise

= ₹ $\frac{6309}{100}$

= ₹63.09 paise.

Solution-02:-

1 cm = 10 mm

(i) 8 mm = $\frac{8}{10}$ cm

= 0.8 cm

(ii) 263 mm = $\frac{263}{10}$ cm

= 26.3 cm

(iii) 13 cm 3 mm = 13 × 10 + 3 mm

= 133 mm

= $\frac{133}{10}$ cm

= 13.3 cm.

Solution -03:-

(i) 1 metre = 100 cm

$6\text{cm} = \frac{6}{100}\ \text{m}$

$= 0.06\ \text{m}$

(ii) 528 cm

$528\ \text{cm} = \frac{528}{100}$

$= 5.28\ \text{m}$

(iii) $7\text{m}\ 55\text{cm} = 700\text{cm} + 55\text{cm}$

$= 755\ \text{cm}$

$= \frac{755}{100}\ \text{m}$

$= 7.55\ \text{m}.$

(iv) Solution -04:-

1 km = 1000 meters.

(i) $5\text{m} = \frac{5\text{m}}{1000}\ \text{km}$

$= 0.005\ \text{km}$

(ii) $888\text{m} = \frac{888}{1000}\ \text{km}$

$= 0.888\ \text{km}$

(iii) $15\text{km}\ 88\text{m} = 15000\text{m} + 88\text{m}$

$= \frac{15088}{1000}\ \text{km}$

$= 15.088\ \text{km}$

Solution-05:-

(i) $1\ kg = 1000\ gms$

$$37\ g = \frac{37}{1000}\ kg$$

$$= 0.037\ kg$$

(ii) $$100\ g = \frac{100}{1000}\ kg$$

$$= 0.1\ kg$$

(iii) $5\ kg\ 8\ g = 5000 + 8\ g$

$$= \frac{5008}{1000}$$

$$= 5.008\ kg.$$

Solution-06:-

Cloth required for her shirt = 2m 70 cm

Cloth required for her trouser = 2m 85 cm

Total length of the cloth bought by her = 2 m 70cm
2 m 85 cm
4m 155cm

$= 400\ cm + 155\ cm$

$= 555\ cm.$

∴ Total cloth required $= \frac{555}{100}\ m$

$= 5.55\ m$

Solution-07:

Sunita travelled to by bus = 15 km 268 m. = 15268 m

" by car = 7km 7 m. = 7007 m

" by foot = 500 m. = 500 m

Total travelled distance by Sunita = 15268 + 7007
+ 5000

= 22275 + 500

= 22,775 m

∴ Total travelled distance = $\frac{22,775}{1000}$

= 22.775 km.

Solution - 08:-

Apples weight = 4 kg 90 g = 4090 gm.

Grapes weight = 2 kg 60 g = 2060 gm

Mangoes weight = 5 kg 300 g = 5300 gm.

Total weight of fruits = 4090 +
2060 +
5300
11,450 gms

∴ Total weight of fruits = 11 kg 450 gms.

Solution - 09:-

Total money = ₹ 18.50.

Price of ice cream = ₹ 11.75.

Rani has money = ₹ 18.50
− ₹ 11.75
6.75

∴ ₹ 6.75 have now with Rani

Solution -10:-

Total cloth = 20m 5cm

= 20 x 100 cm + 5 cm

= 2000 + 5 cm

= 2005 cm.

Required curtain for cloth = 4m 50cm

= 4 x 100cm + 50 cm

= 450 cm.

Length of cloth which Left with her = 2005
450
1,545 cm.

∴ cloth Left = $\frac{1545}{100}$ cm

= 15.45 m.

Solution -11:

Total weight of watermelon = 5kg 300g

= 5,300gm.

She gave watermelon to neighbour

= 2kg 680g

= 2,680gm.

weight of the watermelon Left with Ruby = 5300 - 2680

= 2620gm.

Solution-12:-

cost of 1 metre of cloth = ₹ 35.80

cost of 9.8 metres of cloth = ₹ 35.80 × 9.8

= ₹350.84

Solution -13:-

cement bag weight = 49.8 kg.

Total weight = 1792.8 kg.

Number of bags = $\frac{1792.8}{49.8}$

= $\frac{17928}{498}$

$$
\begin{array}{r}
36 \\
498\overline{)17928} \\
1494 \\
\hline
2988 \\
2988 \\
\hline
0
\end{array}
$$

∴ Total Number of bags = 36.