**L-8 Decimals and L-18 Data Handling.**

**Q-1) Choose the correct option.**

1) 0.4 X 0.04 x 0.004 equals.

   a) 0.00064                       b) 0.0064                c) 0.000064 ✓

2) What is the place value of 7 in 12.712 _____

   a) $\frac{7}{10}$ ✓                     b) $\frac{7}{1000}$                c) $\frac{7}{100}$

3) Write the decimal number for the expansion given.

   5000 + 200 + 30 + 4 + 0.3 + 0.01 + 0.007

   a) 5200.317                 b) 5234.31             c) 5234.317 ✓

4) 0.51 read as _____

   a) Zero point fifty one       b) Zero point five one ✓       c) Zero point five two

5) Fill in the blank with the Correct Sign.  0.034 _____ 0.34

   a) =                         b) >                      c) < ✓

**Q-2) Fill in the blanks.**

1) _Frequency_ is the number of times a particular response occures or number of tally marks.

2) Decimal numbers 20.0, 20.2, 20.22 and 20.222 are in _ascending_ order.

3) The graphical representation of information of two bars besides each other of various heights is called _double bar graphs_.

4) Decimals having the same number of decimal places are called _like_ decimals.

5) A _survey_ is a method of gathering information.

6) A _decimal_ is another way of expressing a fraction with denomintor 10, 1000 or any multiple of 10.

**Q-3) State True or False.**

1) Decimals having different number of decimal places are called like decimals. _False_

2) Multiplying a decimal number by 100 moves the decimal point 3 places to the right. _False_

3) The horizontal line in a graph represent Y axis. _False_

4) The information can be shown pictorially by a pictograph. _True_

5) We write 0 if there is no digit on the left of the decimal. _True_

6) To compare data we use double bar graphs. _True_

**Q-4 Match the following.**

| Column-A | Column-B | Ans:- |
|---|---|---|
| 1) 0.63 , 2.7, 12.409 | a) 0.06 | 1- __d__ |
| 2) 75.21 × 10 | b) 6 | 2- __e__ |
| 3) $\frac{6}{100}$ | c) 0.002 | 3- __a__ |
| 4) Place value of 2 in 45.352 | d) unlike decimals | 4- __c__ |
| 5) ||||| | e) 752.1 | 5- __b__ |

**Q-5 Solve the following.**

1) 5.18 × 0.12

$$5.18$$
$$\times\ 0.12$$
$$1036$$
$$518X$$
$$+000XX$$
$$0.6216$$

2) 12.4 ÷ 8

$$
\begin{array}{r}
1.55 \\
8\ \overline{)12.4} \\
-8\phantom{00} \\
\hline
44 \\
-40 \\
\hline
40\rightarrow 0 \\
-40 \\
\hline
0
\end{array}
$$

3) 9 - 3.9

$$
\begin{array}{r}
8\phantom{0}10 \\
\cancel{9}.\cancel{0} \\
-\ 3.9 \\
\hline
5.1
\end{array}
$$

4) 4.008 + 6.997

$$
\begin{array}{r}
4.008 \\
+\ 6.997 \\
\hline
11.005
\end{array}
$$

**Q-6 Study the graph to answer the following questions.**

Given bar graph shows the favourite fruit of some students of class 5. Study the bar graph and answer the questions that follow.

a) Which is the most favourite fruit?
___Grapes___

(b) Which is the least favourite fruit?
___Pear___

(c) Which fruit is liked by 12 students?
___Orange___

(d) How many students like Banana?
___6___

(e) How many more students like Grapes than Apple?
___14 - 10 = 4___



Favourite Fruit
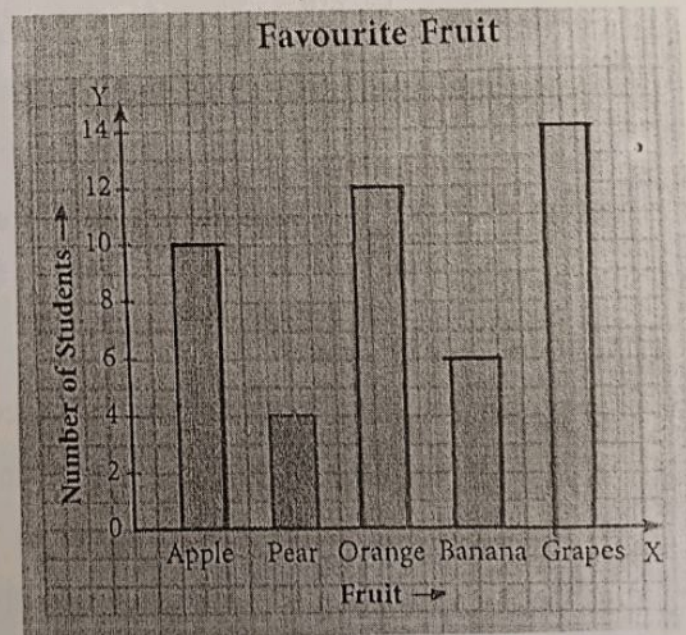
**Q-7 Story sums.**

1) Sam is going to his Granny's house. He has covered 1.15 km. He is still 1.32 km away from his Granny's house. How far is his house from Granny's house?

Distance covered by Sam    1·15 km      ∴ Granny's house
Distance to be covered   + 1·32 km      is 2·47 km
_____
Total Distance          2·47 km      far.

2) A pen cost rupees 8.75. How much will 4 such pens cost?

Cost of 1 pen = ₹ 8·75       8·75
Cost of 4 pens = 8·75 × 4    ×   4
             = ₹ 35.      35·0 0

∴ 4 pens cost ₹ 35

3) One bag contained 5.2 Kg of Apple and 4.2 Kg of Orange. Another bag contained 5.2 Kg of Apple and 3.2 Kg of Orange. What was the total weight of both the bags?

Bag 1            Bag 2          Weight of both the
Apple    5·2 kg     Apple 5·2 kg    bags = (9·4 + 8·4) kg
Orange + 4·2 kg     Orange + 3·2 kg      = 17·8 kg.
_____
       9·4 kg        8·4 kg   ∴ Total weight of both
                                the bags is 17·8 kg.

**Q-8 Draw a pictograph.**

Draw a Pictograph to show the number of Students who visited the fish aquarium from each class of 1 to 5.

| Class | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| No. of students | 21 | 18 | 15 | 12 | 9 |

Take ☺ = 3 students

**Q-9 Draw a double bar graph.**

Draw a double bar graph to compare the favourite subjects of boys and girls in class 5. whose data is as given below.

| Subjects | Maths | English | Science | Social Science |
|---|---|---|---|---|
| Boys | 32 | 8 | 20 | 24 |
| Girls | 28 | 6 | 28 | 12 |

**Q.8**   Pictograph to show number of students who visited fish aquarium from class 1 to 5.

| Class | Number of students |
|-------|--------------------|
| 1 | ☺ ☺ ☺ ☺ ☺ ☺ ☺ |
| 2 | ☺ ☺ ☺ ☺ ☺ ☺ |
| 3 | ☺ ☺ ☺ ☺ ☺ |
| 4 | ☺ ☺ ☺ ☺ |
| 5 | ☺ ☺ ☺ |

Take ☺ = 3 students

Favourite subjects of boys and girls in class 5