

Name :

Section :

Roll No.

I. Solve the following word problems.

[5 x 2 = 10]

- 8 men can do a piece of work in 6 days. How many men can do the same work in 4 days ?
- Pooja got a 40% off on purchasing a football priced at ₹ 750. How much did Pooja pay for the ball ?
- Ravi buys rice at ₹ 20 per kg and sells it as ₹ 23 per kg. Find his percentage gain.
- A bus accommodates 42 passengers in one trip. How many passengers does it carry in 15 trips ?
- Jack purchased a refrigerator for ₹ 8,000. He had to sell it at a loss of 10%. What was the original selling price ?

II. A newspaper delivery boy cycles 7,200m every morning to deliver the paper in 1½ hrs. Find his speed in km / hr. [2M]

III. Express each of the speeds in m/s.

[3 x 1 = 3]

- 144 km/ hr _ _____
- 108 km/ hr - _____
- 27 km/ hr - _____

IV. A survey of 145 people was done to find their favourite fruit.

[5 x 1 = 5]

Fruit	People
Apple	35
Mango	30
Banana	10
Orange	25
Grapes	40
Kiwi	5

Draw a bar graph for the given data and answer the following.

- What is represented on the X – axis ?
- What is represented on the Y – axis ?
- Which is the most popular fruit ?
- Which is the least popular fruit ?
- Do you need a key with this graph ?

V. Express the following in percent.

[3 x 1 = 3]

1. 77 of 275 - _____

2. 30 of 120 - _____

3. 52 of 80 - _____

VI. Find the volume of the cuboids given in the following measurements. [2 x 1 = 2]

1. $l = 10$ cm $b = 4$ m $h = 5$ cm - _____

2. $l = 5$ cm $b = 4$ cm $h = 3$ cm - _____

VII. Convert the following temperatures from celsius to Fahrenheit scale. [3 x 1 = 3]

1. 70° C - _____

2. 37° C - _____

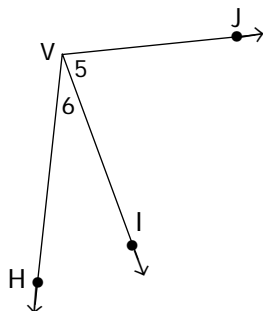
3. 50° C - _____

VIII. Harsh borrowed ₹ 20,600 from a bank at 8% Rate of Interest. How much interest will he pay in 2 years ? [2M]

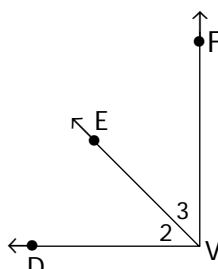
IX. Name all the angles that have V as a vertex.

[3 x 1 = 3]

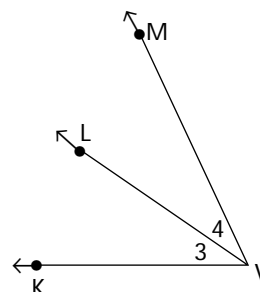
1.



2.



3.



X. Fill in the blanks.

[5 x 1 = 5]

1. In an obtuse triangle one angle measures _____ than 90° .

2. Volume of a cuboid = _____

3. A scalene triangle has all sides of _____ length.

4. If capacity is 450 ml then volume is _____

5. There can be only _____ angle of 90° in a triangle.

XI. Find the area of the squares with given measurements.

[3 x 1 = 3]

1. side = 5.5 metres
2. side = 8 cm
3. side = 4 cm

XII. Express the percentage as a fraction in lowest terms or as a mixed fraction.

[4 x 1 = 4]

1. $16\frac{2}{3}\%$ - _____
2. 110% - _____
3. 70% - _____
4. $7\frac{3}{4}\%$ - _____

XIII. Express the following decimals as percent.

[3 x 1 = 3]

1. 0.008 - _____
2. 2.79 - _____
3. 0.35 - _____

XIV. Find the selling price when :

[2 x 1 = 2]

1. Cost price = ₹ 675, Loss % = 12% - _____
2. Cost price = ₹ 750, Loss % = 15% - _____

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