

Name :

Section :

Roll No.

I. Solve the following word problems.

[5 x 2 = 10]

- 12 men can dig a pond in 8 days. How many men can dig it in 6 days ?
- There are 36 carpenters in a row on a certain day, 29 were present. What percent of workers were present ?
- Ali bought a blowing ball for ₹ 700 and sold it for ₹ 770. Find his profit. Express the profit as a percentage.
- The cost of 15 metres of cloth is ₹ 1,560. Find its unit cost.
- Anand bought a cycle for ₹ 6,500. He spent ₹ 500 on paint and ₹ 1,000 on a few parts. At what price should he sell to make a profit of 10% ?

II. A plane travels 395,000 metres in 9,000 seconds. What was its speed ? Convert the speed to km / hr. [2M]

III. Express each of the speeds in km / hr.

[3 x 1 = 3]

- 80 m / sec _ _____
- 40 m / sec - _____
- 35 m / sec - _____

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 ?

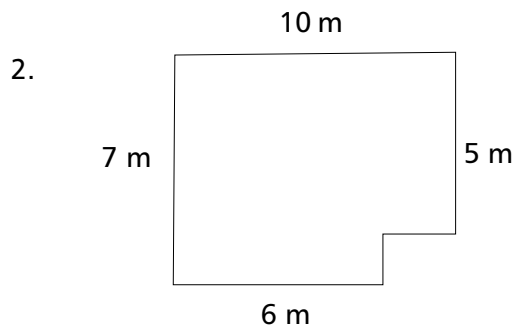
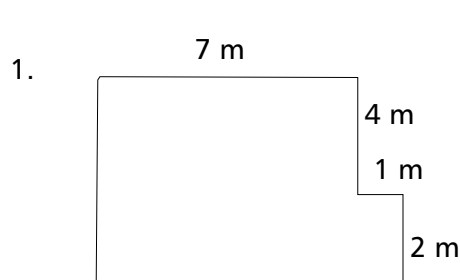
V. Express the following in percent.

[3 x 1 = 3]

1. 77 of 275 – _____
2. 30 of 120 – _____
3. 52 of 80 – _____

VI. Find the area of the figures given below.

[2 x 1 = 2]



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

1. 82° C – _____
2. 37° C – _____
3. 45° C – _____

VIII. Kiran invested Rs. 1,500 in an account that paid her $8\frac{1}{4}\%$ simple interest. What will be the balance in her account after 6 years? [2M]

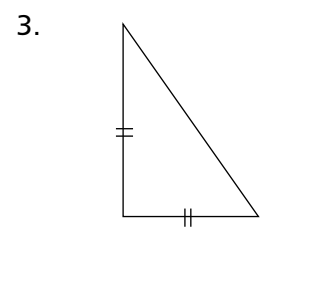
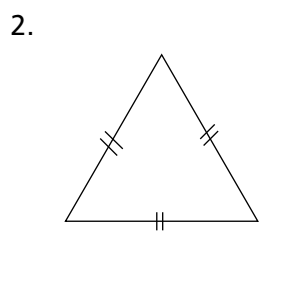
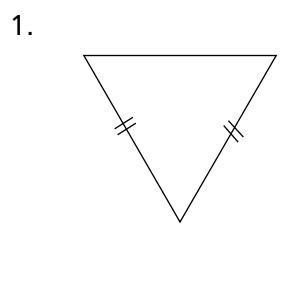
IX. Using a ruler and a protractor draw a square with the given measurements.

[3 x 1 = 3]

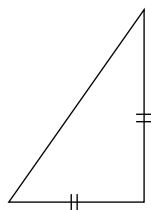
1. side = 3 cm
2. side = 6 cm
3. side = 4.5 cm

X. Classify the given triangles as scalene, isosceles or equilateral.

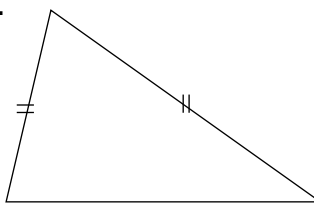
[5 x 1 = 5]



4.



5.



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. $3\frac{2}{11}\%$ - _____
2. 36% - _____
3. 12% - _____
4. $2\frac{1}{5}\%$ - _____

XIII. Express the following percent as decimal.

[3 x 1 = 3]

1. 13.5% - _____
2. 7.6% - _____
3. 30.25% - _____

XIV. Find the selling price when :

[2 x 1 = 2]

1. Cost price = ₹ 480, Gain % = $12\frac{1}{2}\%$ - _____
2. Cost price = ₹ 1200, Gain % = 15% - _____

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