P.V.G.'s

Muktangan English School & Jr. College Pune - 09

II Term Summative Written Examination (2024-25)

Standard - VI Div -

Subject : Mathematics Time : 1.00 pm to 3.30 pm Marks : 40

Date : 03.04.2025 Time : 1.00 pm to 3.30 pm

Q1. A) Fill in the blanks. **(4)**

1. A closed figure with more than five sides are called _____.

   a) Pentagons b) Polygons c) Quadrilaterals

2. The sum of the measures of all angles of a quadrilateral is _____.

   a) 180^0 b) 90^0 c) 360^0

3. The money lent by a bank to a borrower is called _____.

   a) Interest b) Time c) Principal

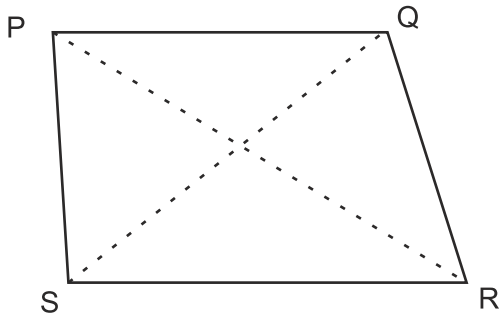
4. $\frac{P}{5} = 15$ $\therefore$ P = _____

   a) 60 b) 75 c) 3

B) State whether the following statements are True of False and write the correct statement. **(3)**

1. A triangle with no two equal is called a isosceles triangle.
2. A tip of the cone is called Apex.
3. Opposite sides of the quadrilateral have a common vertex.

C) Observe the figure and name the following. **(4)**



1. Two pairs of adjacent sides.
2. The pair of opposite sides.

3. The diagonals of quadrilateral.

4. The name of the quadrilateral.

D) Define - Perpendicular bisector. **(1)**

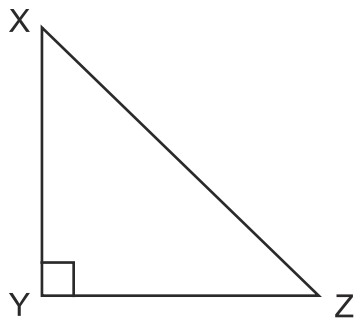
Q2. Attempt any four of the following. **(8)**

1) Find the ratio of the first quantity to the second.

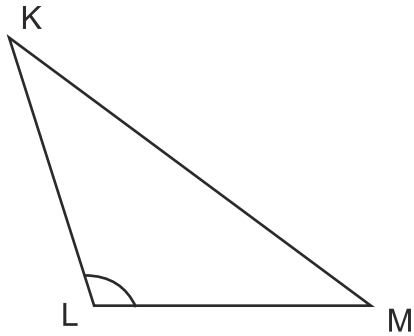
15 min, 1 hr.

2) Observe the pictures below and write the type of the triangle on basis of angles.

a)



b)



3) Veer scored 585 marks out of 900 in exam. What was the percentage he scored?

4) Draw a line 'l'. Take a point 'P' anywhere outside the line. Draw a perpendicular to line 'l' with the help of sets square.

5) The length of three segments are given for constructing a triangle. Find whether a triangle with these sides can be drawn. Give reason.

8.4 cm, 16.4 cm, 4.9 cm.

Q3. Attempt any four of the following. **(12)**

1) At a sugar factory, 5376 kg of sugar can be obtained from 48 tonnes of sugarcane. If Savitatai has grown 50 tonnes of sugarcane. How much sugar will be yield?

2) A shopkeeper bought a mixer for ₹ 7356 and sold for ₹ 3587. Did he made a profit or loss and by how much?

3) Draw a line segment 'AB' of length 6.5 cm. Draw a $\perp$ bisector of the line using a compass and ruler.

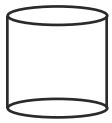
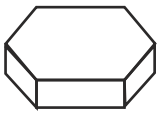
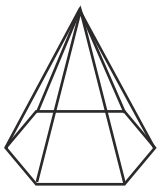
4) Cost price of 50 kg grains = ₹ 2000. Selling price ₹ 43 per kg.
Find percent profit or loss?

5) At a rate of 10 p.c.p.a. What would be the the interest for one year on ₹ 6000?

Q4. Attempt any Two. **(8)**

1) Santosh bought 400 eggs for ₹ 1500 and spent ₹ 300 on transport. 50 eggs fell down and broke. He sold the rest of at ₹ 5 each. Did he make a profit or loss? How much?

2) Observe the figure given below. Write the number of faces, vertices and edges.

	Figure	Face	Vertices	Edges
1.			0	
2.		2		
3.				18
4.		7		

3) If 14 chairs cost ₹ 5992. Find the cost of 12 chairs.

Solution : Cost of 14 chairs = ☐

$\therefore$ Cost of 1 chair = $\frac{\square}{\square}$ = ☐

$\therefore$ Cost of 12 chairs = ☐ X ☐ = ☐

$\therefore$ The amount of money to be paid for 12 chairs is ₹ ☐

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