SHREE VASISHTHA VIDHYALAYA

Maths Worksheet (2025-26)

Name : - _____ Std.:- V ____

Roll No. :-_____ **Worksheet- PA-2** Date : - _____

L-15 Perimeter and Area, L-11 Geometrical Shapes.

Q. 1) Choose the correct option.

1. The triangle with all the three sides equal is called an _____ triangle

   a) Scalene (b) Equilateral c) isosceles

2. The side of a square is _____ cm, if its perimeter is 36 cm.

   a) 6 (b) 9 c) 8

3. A _____ is simple closed plane figure made up of 5 line segments.

   (a) Pentagon b) Hexagon c) Triangle

4. The area of a square is _____ , if it's one side is 1.3 cm.

   a) 169 cm^2 (b) 1.69 cm^2 c) 16.9 cm^2

Q.2) Fill in the blanks:

1. Perimeter is the distance around a plane figure or the length of the boundary of the plane figure

2. All equilateral triangles are isosceles triangles, but all isosceles triangles are not equilateral triangles.

3. A net can be folded to make up a 3D shape.

4. Symmetry is the exact likeness in a shape about a given line, point or plane.

5. A triangle is a simple closed figure made up of 3 line segments.

Q.3) Write "T" for True and "F" for False statements.

1. Rotation means turning. T

2. The angles of a triangle are 35^0, 90^0 and 55^0 . It is an acute triangle. F

3. Scalene triangle has all its sides of different lengths. T

4. The measure of a straight angle is 190^0. F

5. The triangle with two sides equal is called an isosceles triangle. T

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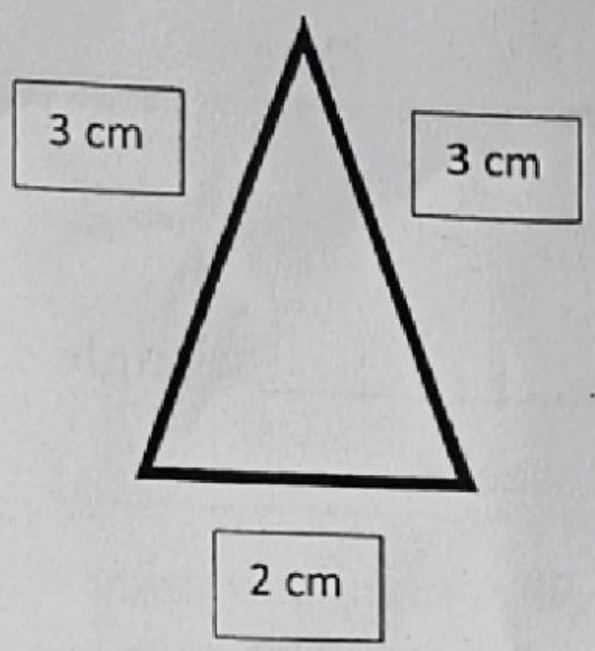
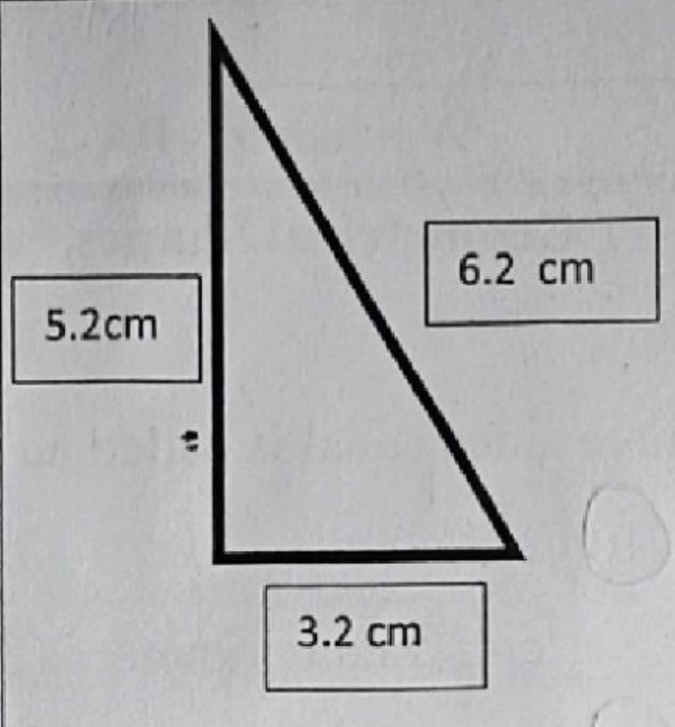
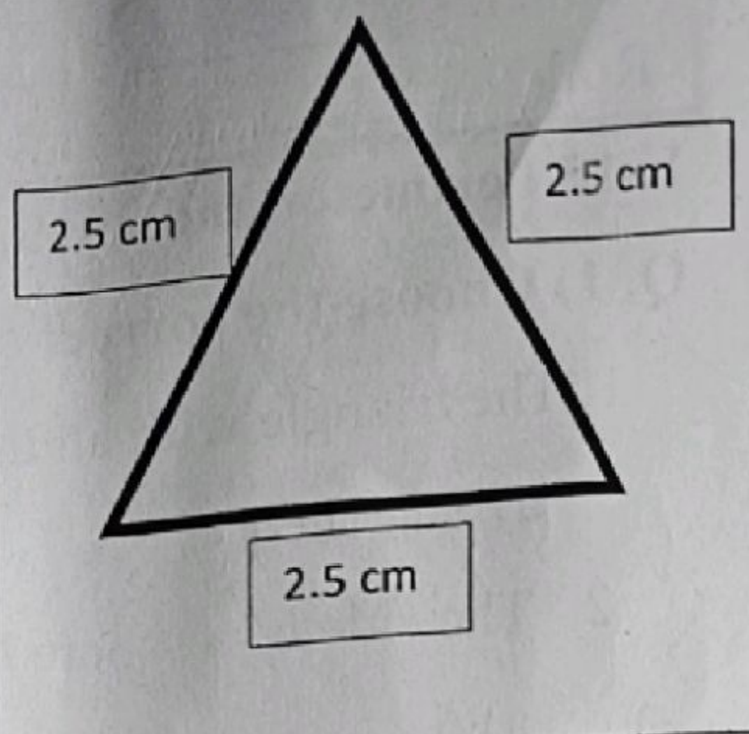
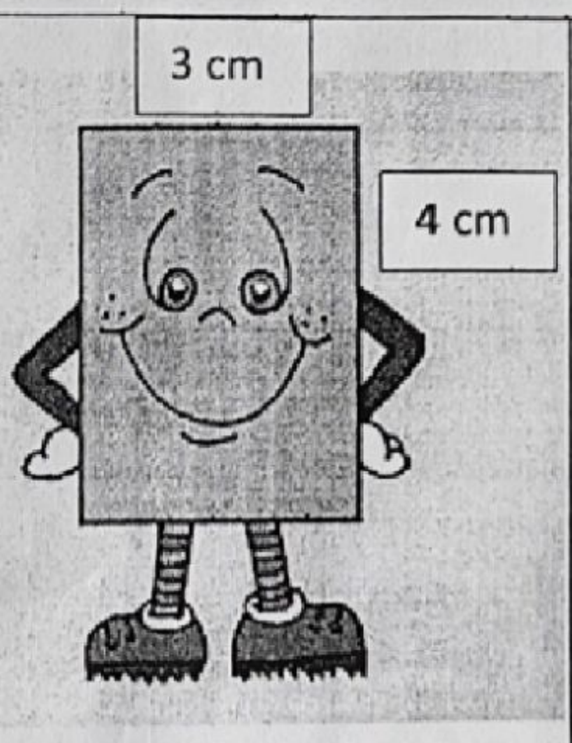
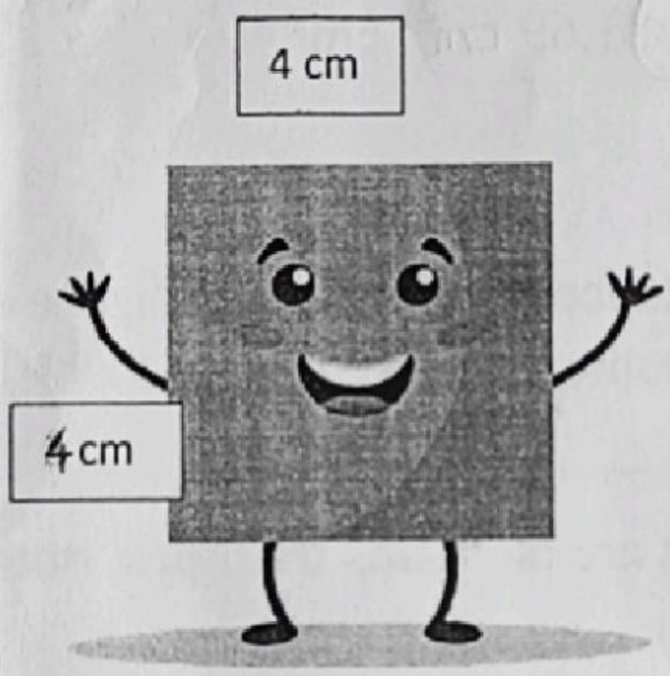
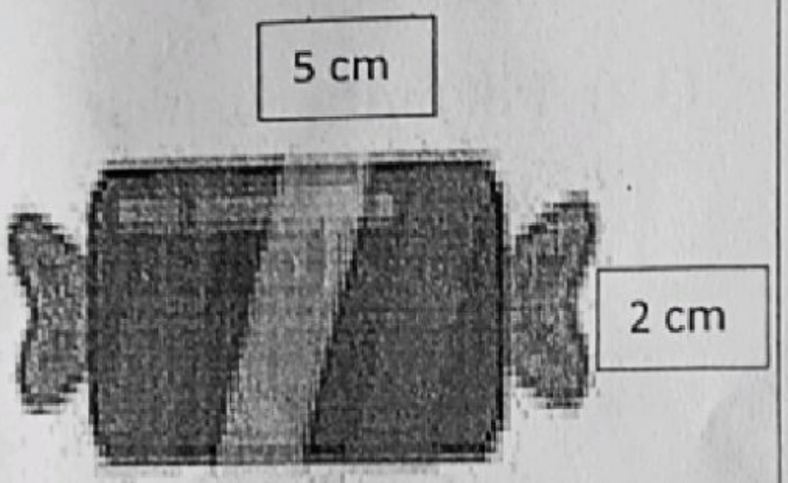
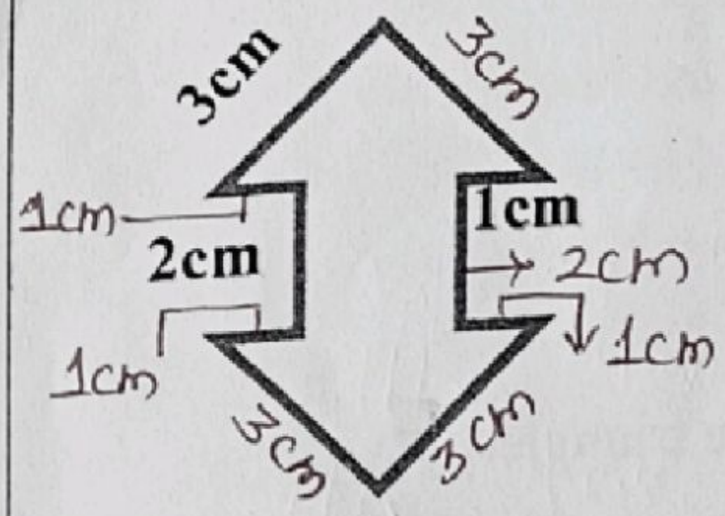
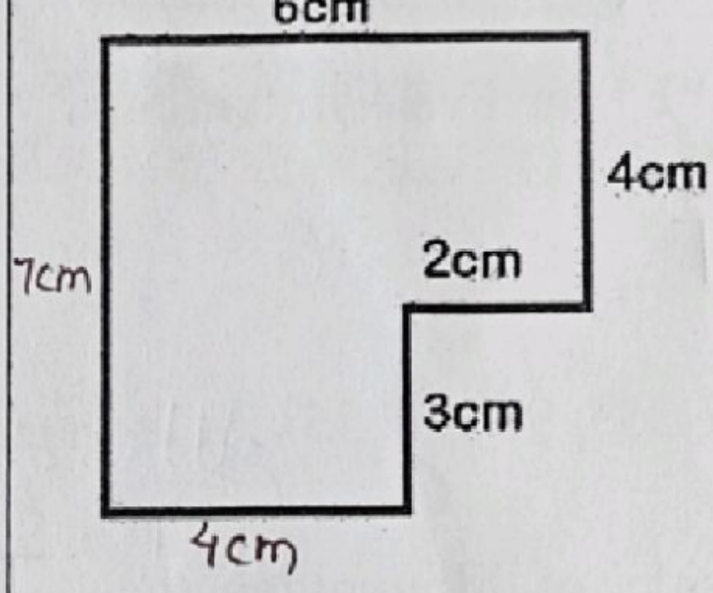
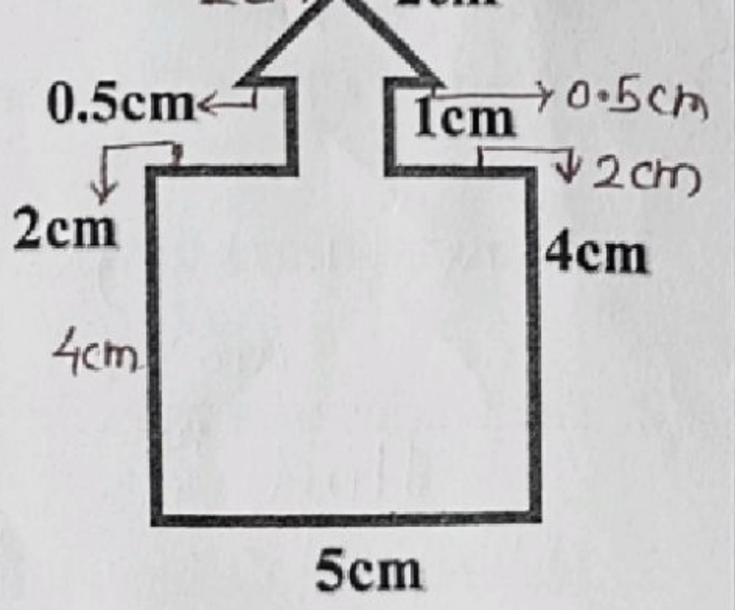
Q.4) Name the triangles according to its sides.

		
Isosceles triangle	Scalene triangle	Equilateral triangle

Q.5) Find the area of the following figures.

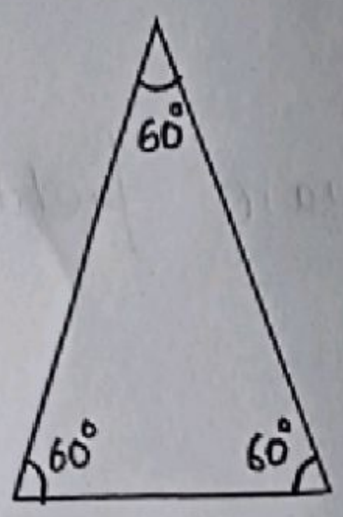
		
Area of a rectangle $= l \times b$ $= 3cm \times 4cm = 12cm^2$	Area of a square $= s \times s$ $= 4cm \times 4cm = 16cm^2$	Area of a rectangle $= l \times b$ $= 5cm \times 2cm = 10cm^2$

Q.6) Find the perimeter of the following figures.

		
$= (3+3+1+2+1+3+3+1+2+1)$ cm $= 20cm$	$= (6+4+2+3+4+7)$ cm $= 26cm$	$= (2+0.5+1+2+4+5+4+2+0.5+2)$ cm $= 24cm$

Q.7) Name the triangle according to its angles.

a)



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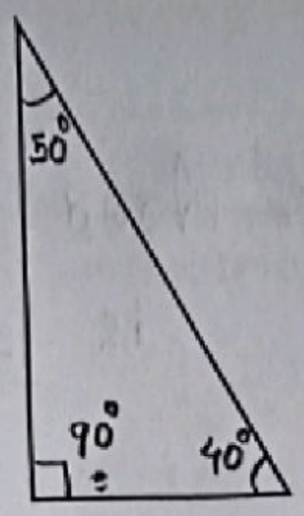
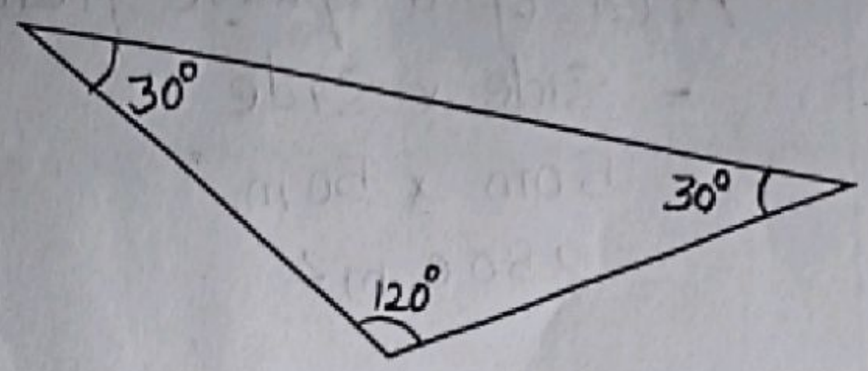
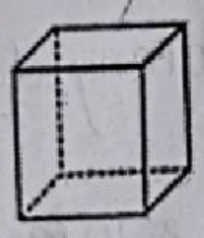


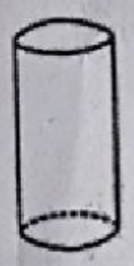
c)



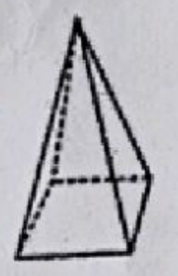
Acute triangle	Right triangle	obtuse triangle

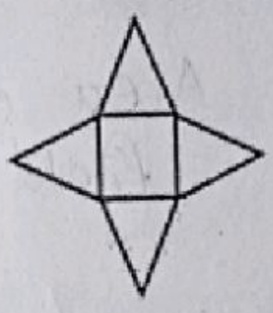
Q.8) Match the nets with appropriate solids:

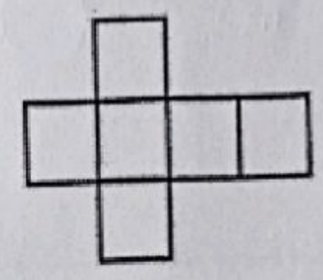
(a) 

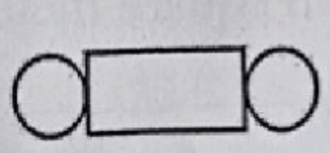
(b) 

(c) 

(d) 

(i) 

(ii) 

(iii) 

(iv) 

a) ii b) iii c) iv d) i

Q.9) Story sums.

1) A rectangular room is 6 meters long and 4 meters wide. A carpet is to be placed to cover the entire floor. What is the area of the carpet needed?

Length of a room = 6m
Breadth of a room = 4m
Area = length x breadth
= 6m x 4m
= $24m^2$

∴ Area of the carpet needed is $24m^2$

2) A farmer has a square field with each side measuring 50 meters. What is the area of the field?

Side = 50 m.

Area of a square field
= Side x Side
= 50m x 50m
= 2500 m2

∴ Area of a square field is $2500m^2$

3) A rectangular swimming pool is 30 meters long and 10 meters wide. Find both the perimeter and the area of the pool.

Length = 30m, Breadth = 10m

Perimeter of a rectangular field = 2x(l+b)
= 2x(30m+10m)
= 2x 40m
= 80 m

Area of a rectangular field = l x b
= 30m x 10m
= $300m^2$

4) A rectangular blackboard has an area of 48 square meters. Its breadth is 6 meters. Find the length of the blackboard.

Area = $48m^2$
Breadth = 6m.

Length of a blackboard
= Area ÷ breadth
= $48m^2 \div 6m$
= 8m

∴ Length of a rectangular blackboard is 8m.

5) A rectangular garden has an area of 252 square meters. The breadth is 12 meters. What is the length of the garden? If a fence is built around it, what is the perimeter ?

Area of a garden = $252\ m^2$
Breadth = 12m.
Length = Area ÷ breadth
= $252m^2 \div 12m$
= 21m.

Perimeter of a rectangular garden = 2x(l+b)
= 2x(21m+12m)
= 2x33m
= 66 m

∴ Fence to be built around a rectangular garden is 66m.