St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi – 110092
Session: 2024-2025 - Worksheet
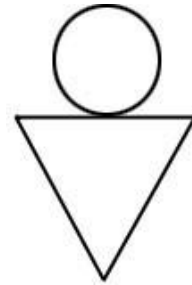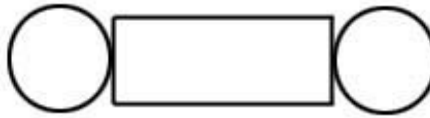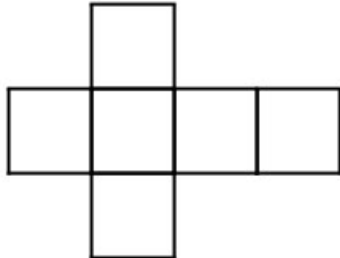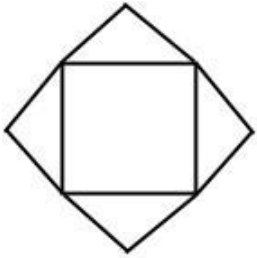
| Class:VIII | Subject:Mathematics | Topic:3D IN 2D | Worksheet No.-21 |

Q1. Write the names of the 3 -dimensional objects whose nets are given below.

Q2. How many vertices does a rectangular pyramid have?

Q3. Using Euler's formula, find the unknowns.

	Solid 1	Solid 2	Solid 3
Faces	?	5	6
Vertices	4	?	8
Edges	6	8	?

Q4. Can a polyhedron have 8 vertices, 12 edges and 6 faces?

Multiple Choice Questions (MCQs)

Q5. The top view of a cylinder placed horizontally will be a:

(a) circle   (b) rectangle   (c) square   (d) none of these

Q6. A cuboid has:

(a) 4 faces and 12 edges   (b) 6 faces and 8 edges   (c) 8 faces and 12 edges   (d) 6 faces and 12 edges

Q7. Which one is not a platonic solid?

(a) tetrahedron   (b) cuboid   (c) cube   (d) octahedron

True or False

Q8. In a regular polygon, all sides and all angles are equal. (a) True   (b) False

Q9. A sphere is a polyhedron.   (a) True   (b) False

Q10. A square prism is also known as a cube.   (a) True   (b) False