

**BHARATIYA VIDYA BHAVAN'S V.M.PUBLIC SCHOOL  
VADODARA**

<b>Date:</b>	<b>Worksheet-Visualising solid shapes</b>	<b>Subject: Mathematics</b>
<b>Class: VIII</b>	<b>Name of the student:</b>	

- 1) Complete the table **below** using Euler's formula:

Sr.No.	No. of vertices	No. of faces	No. of edges
1	A	6	10
2	12	B	18
3	8	C	12
4	60	32	D
5	4	E	6
6	F	9	17
7	6	8	G

- 2) What is a triangular pyramid? What is a pyramid called its base is a square?
- 3) An icosahedron is having 20 triangular faces and 12 vertices. Find the number of edges.
- 4) Is a square prism same as a cube? Explain.
- 5) Can a polyhedron have 10 faces, 20 edges and 15 vertices?