



Visualising Solid Shapes Ex 19.1 Q1

**Answer :**

	I	II	III	IV
Faces (F)	6	4	9	7
Edges (E)	12	6	16	15
Vertices (V)	8	4	9	10
Euler's formula (F - E + V)	$6 - 12 + 8 = 2$	$4 - 6 + 4 = 2$	$9 - 16 + 9 = 2$	$7 - 15 + 10 = 2$

Hence Euler's formula is verified for these figures.

Visualising Solid Shapes Ex 19.1 Q2

**Answer :**

Examples of

- (i) Cone: Ice-cream cone, clown cap, rocket
- (ii) Sphere: Football, a round apple, an orange
- (iii) Cuboid: book, brick, duster
- (iv) Cylinder: circular pipe, glass, circular pole
- (v) Christmas decorations, cheese and patio umbrellas.

\*\*\*\*\* END \*\*\*\*\*