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 *********