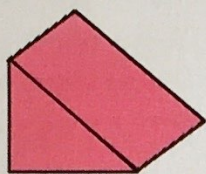


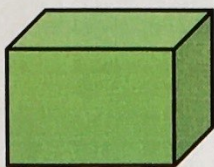
## Properties of 3D Shapes

For each of the 3D shapes shown, write down the number of faces, vertices and edges.

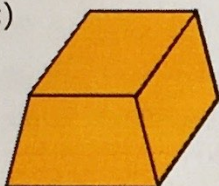
(a)



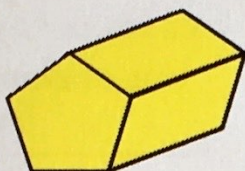
(b)



(c)



(d)



$$(a) F = 5 \quad V = 6 \quad E = 9$$

$$(b) F = 6 \quad V = 8 \quad E = 12$$

$$(c) F = 6 \quad V = 8 \quad E = 12$$

$$(d) F = 7 \quad V = 10 \quad E = 15$$

Complete the table for the 3D shapes.

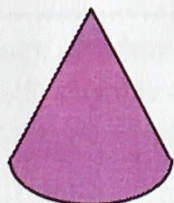
3D Shape	Faces	Vertices	Edges
Cube	6	8	12
Hexagonal Prism	8	12	18
Square-based Pyramid	5	5	8
Tetrahedron	4	4	6
Octahedron	8	6	12

For each shape shown, write down the number of flat faces, curved surfaces, edges and vertices.

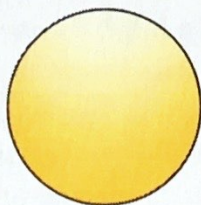
(a)



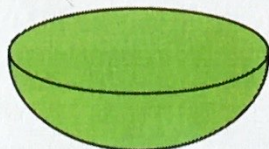
(b)



(c)



(d)



$$(a) F = 2 \quad S = 1 \quad E = 2 \quad V = 0$$

$$(b) F = 1 \quad S = 1 \quad E = 1 \quad V = 1$$

$$(c) F = 0 \quad S = 1 \quad E = 0 \quad V = 0$$

$$(d) F = 1 \quad S = 1 \quad E = 1 \quad V = 0$$