

- 3 (a) triangular prism (b) sphere, hemisphere, cylinder
(c) cube and cuboid

- 4 (a) cuboid \rightarrow 12
pyramid \rightarrow 8
sphere \rightarrow 0
triangular prism \rightarrow 9
cone \rightarrow 0
hemisphere \rightarrow 0
cylinder \rightarrow 0
cube \rightarrow 12
(b) cube and cuboid

- 5 cone, hemisphere, cylinder

6 Triangular prism/square-based pyramid

- (a) Each shape has 5 faces.
(b) The triangular prism has 9 edges: the square pyramid has 8 edges.

Cuboid/cube

- (a) Each shape has 8 vertices.
(b) All the faces of the cube are the same: the faces of the cuboid are not all the same.

- 7 Children's answers will vary, but could include the following.
It has 9 straight edges and 6 vertices.
It has 2 triangular faces and 3 rectangular faces.

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- 1 (a) – (c) practical work
2 (a) – (c) practical work
3 (a) practical work
(b) no

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- 1 practical work
2 (a) and (b) 6 5 5
8 7 9
3 practical work

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- 1 (a) Jenny
(b) Brad
2 equilateral triangles: (a), (f) and (i)
isosceles triangles: (d), (e), (h) and (k)

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- 1 (a) brown and pink shapes
(b) blue and orange shapes
(c) red, white, orange and pink shapes
(d) brown and pink shapes
(e) blue, orange
(f) green, white, grey
2 (a) blue (b) red
(c) grey (d) green
3 (a) pentagon (b) hexagon (c) equilateral triangle
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1 practical work
2 (a) – (c) Children's answers will vary
3 practical work