

Practice Sheets Answers

Sorting shapes (mild)

- A Sphere
- B Cone
- C Hemisphere
- D Cylinder
- E Tetrahedron / Triangle-based pyramid
- F Square-based pyramid
- G Triangular prism
- H Cuboid
- I Cube
- J Pentagon-based pyramid
- K Pentagonal prism
- L Hexagon-based pyramid
- M Hexagonal prism

Challenge

There is no house for a cuboid shape with 2 pairs of square faces because if a cuboid shape had 2 pairs of square faces the third pair of faces would also have to be square. It would then be sorted into house I.

Sorting shapes (hot)

- N Sphere
- O Cone
- P Hemisphere
- Q Cylinder
- R Triangle-based pyramid
- S Square-based pyramid
- T Triangular prism
- U Pentagon-based pyramid
- V Hexagon-based pyramid
- W Cuboid
- X Cube
- Y Pentagonal prism
- Z Hexagonal prism

Challenge

The map should reflect the shapes having the following number of vertices:

Shape	Number of vertices	Shape	Number of vertices
Sphere	0	Cuboid	8
Triangular prism	6	Cylinder	0
Cone	1	Pentagon-based pyramid	6
Triangle-based pyramid	4	Pentagonal prism	10
Hemisphere	0	Hexagonal prism	12
Cube	8	Hexagon-based pyramid	7
Square-based pyramid	5		