

# Varied Fluency

## Step 2: Sort 3D Shapes

Teaching note: We recommend that this resource is printed in colour.

### National Curriculum Objectives:

Mathematics Year 1: (1G1b) [Recognise and name common 3-D shapes \[for example, cuboids \(including cubes\), pyramids and spheres\]](#)

### Differentiation:

**Developing** Questions to support identifying and sorting 3D shapes. Includes cubes, spheres, cuboids and triangular-based pyramids where the same shape is presented in different sizes, colours and orientations and with perspective lines visible.

**Expected** Questions to support identifying and sorting 3D shapes. Includes cubes, cuboid, sphere, cone, cylinder, square and, triangular-based pyramids where the same shape is presented in different sizes, colours and orientations and with some perspective lines visible.

**Greater Depth** Questions to support identifying and sorting 3D shapes. Includes cubes, cuboid, sphere, cone, cylinder, square and, triangular-based pyramids where the same shape is presented in different sizes, colours and orientations. No perspective lines visible, with some use of real life objects.

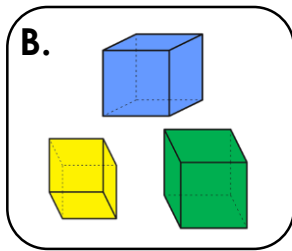
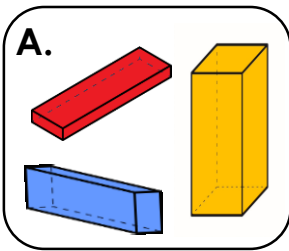
More [Year 1 Shape](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

# Sort 3D Shapes

# Sort 3D Shapes

1a. Match the labels to the groups.



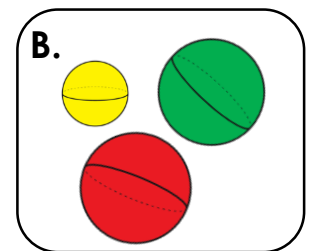
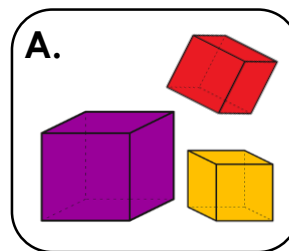
Cuboids

Cubes



VF

1b. Match the labels to the groups.



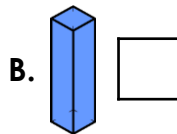
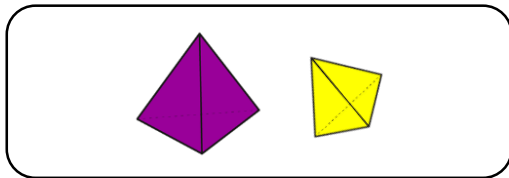
Cubes

Spheres



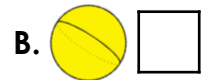
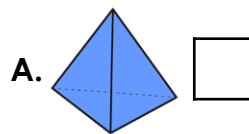
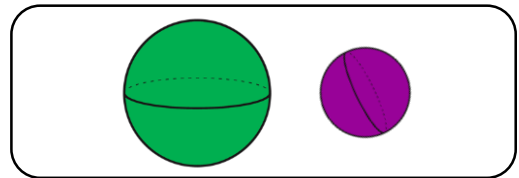
VF

2a. Tick the shape that belongs in this group.



VF

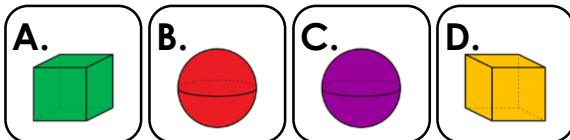
2b. Tick the shape that belongs in this group.



VF

3a. Sort the shapes into the table.

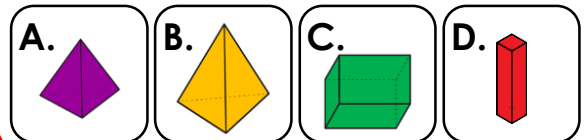
Sphere	Cube



VF

3b. Sort the shapes into the table.

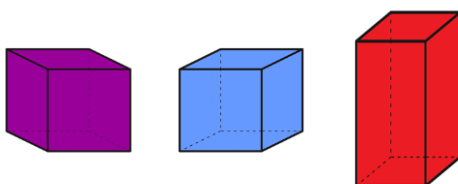
Triangular-based Pyramid	Cuboid



VF

4a. True or false?

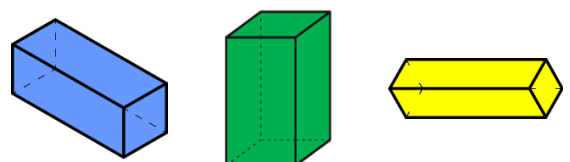
The 3D shapes below are all cubes.



VF

4b. True or false?

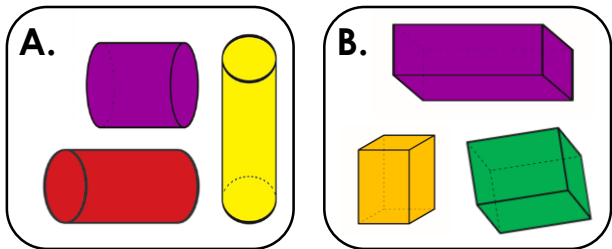
The 3D shapes below are all cuboids.



VF

# Sort 3D Shapes

5a. Match the labels to the groups.



Cuboids

Cylinders

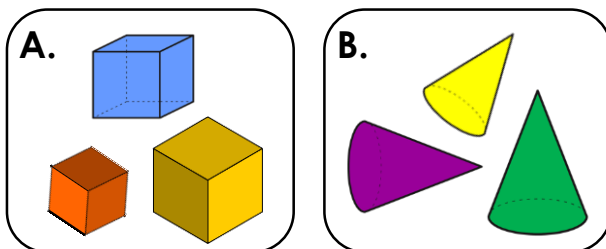
Spheres



VF

# Sort 3D Shapes

5b. Match the labels to the groups.



Cones

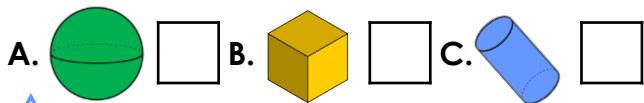
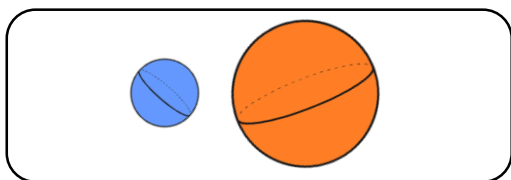
Cubes

Pyramid



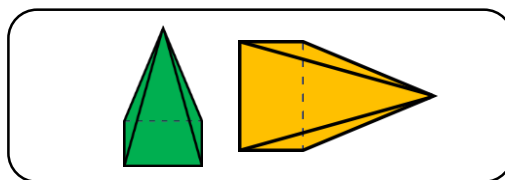
VF

6a. Tick the shape that belongs in this group.



VF

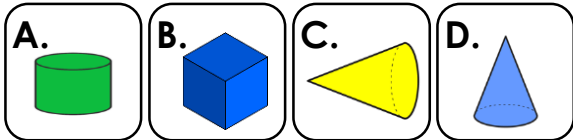
6b. Tick the shape that belongs in this group.



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7a. Sort the shapes into the table.

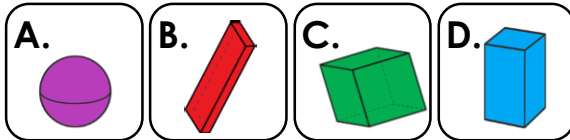
Cylinder	Cone	Cube



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7b. Sort the shapes into the table.

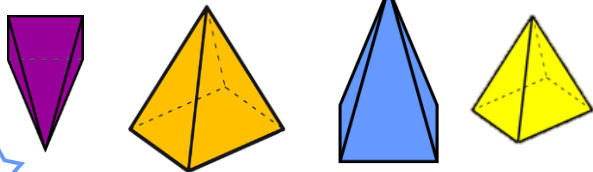
Sphere	Cube	Cuboid



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8a. True or false?

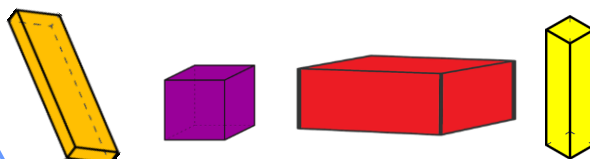
The 3D shapes below are all square-based pyramids.



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8b. True or false?

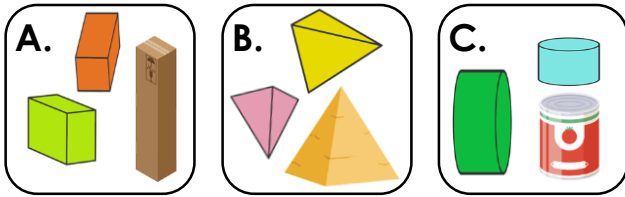
The 3D shapes below are all cuboids.



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# Sort 3D Shapes

9a. Match the labels to the groups.



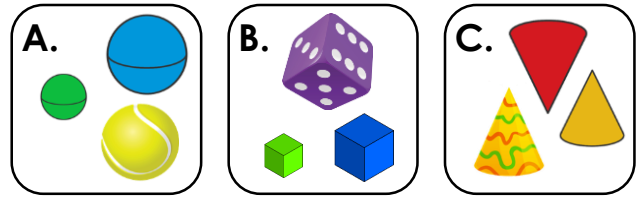
- Pyramids
- Cubes
- Cylinders
- Cuboids



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# Sort 3D Shapes

9b. Match the labels to the groups.

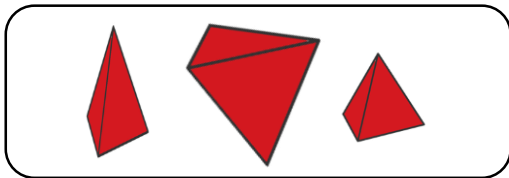


- Cubes
- Cones
- Spheres
- Cylinder



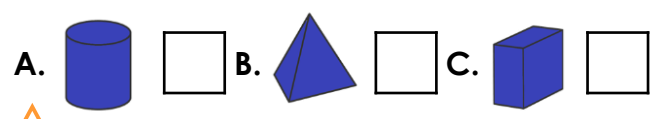
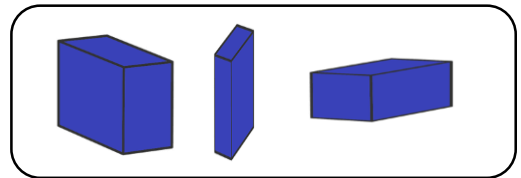
VF

10a. Tick the shape that belongs in this group.



VF

10b. Tick the shape that belongs in this group.



VF

11a. Sort the shapes into the table.

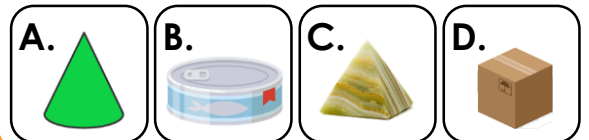
Cube	Cone	Sphere	Cuboid



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11b. Sort the shapes into the table.

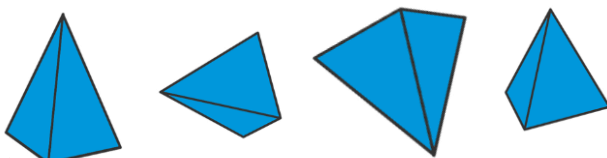
Pyramid	Cube	Cylinder	Cone



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12a. True or false?

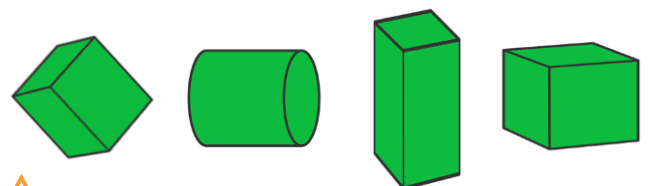
The 3D shapes below are all pyramids.



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12b. True or false?

The 3D shapes below are all prisms.



VF

**Varied Fluency**  
**Sort 3D Shapes**

**Developing**

- 1a. **A. Cuboids, B. Cubes**
- 2a. **A**
- 3a. **Sphere: B, C; Cube: A, D**
- 4a. **False. There are 2 cubes and 1 cuboid.**

**Expected**

- 5a. **A. Cylinders, B. Cuboids**
- 6a. **A**
- 7a. **Cylinder: A; Cone: C, D; Cube: B**
- 8a. **True**

**Greater Depth**

- 9a. **A. Cuboids, B. Pyramids, C. Cylinders**
- 10a. **A**
- 11a. **Cube: D; Cone: C; Sphere: A; Cuboid: B**
- 12a. **True**

**Varied Fluency**  
**Sort 3D Shapes**

**Developing**

- 1b. **A. Cubes, B. Spheres**
- 2b. **B**
- 3b. **Triangular-based Pyramid: A, B; Cuboid: C, D**
- 4b. **True**

**Expected**

- 5b. **A. Cubes, B. Cones**
- 6b. **C**
- 7b. **Sphere: A; Cube: C; Cuboid: B, D**
- 8b. **False. There are 3 cuboids and 1 cube.**

**Greater Depth**

- 9b. **A. Spheres, B. Cubes, C. Cones**
- 10b. **C**
- 11b. **Pyramid: C; Cube: D; Cylinder: B; Cone: A**
- 12b. **False. The cylinder is not a prism.**