# Homework/Extension
# Step 2: Sort 3D Shapes

## National Curriculum Objectives:

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

## Differentiation:

**Questions 1, 4 and 7 (Varied Fluency)**
**Developing Identify a given 3D shape when shapes are presented in different sizes, colours and orientations. Includes cubes, spheres, cuboids and triangular-based pyramids with perspective lines visible.**
**Expected Identify a given 3D shape when shapes are presented in different sizes, colours and orientations. Includes cubes, cuboids, spheres, cylinders, square and triangular-based pyramids with some perspective lines visible.**
**Greater Depth Identify a given 3D shape when shapes are presented in different sizes, colours and orientations. Includes cuboids, cylinders, square and triangular-based pyramids with no perspective lines visible. Some use of real life objects.**

**Questions 2, 5 and 8 (Varied Fluency)**
**Developing Match the same 3D shapes when shapes are presented in different sizes, colours and orientations. Includes cubes, cuboids and triangular-based pyramids with perspective lines visible.**
**Expected Match the same 3D shapes when shapes are presented in different sizes, colours and orientations. Includes cuboids, cylinders, and square-based pyramids with some perspective lines visible.**
**Greater Depth Match the same 3D shapes when shapes are presented in different sizes, colours and orientations. Includes cubes, cylinders, square and triangular-based pyramids with no perspective lines visible. Some use of real life objects.**

**Questions 3, 6 and 9 (Reasoning and Problem Solving)**
**Developing Explain who is correct by comparing two groups of 3D shapes when shapes are presented in different sizes, colours and orientations. Includes cuboids and spheres with perspective lines visible.**
**Expected Explain who is correct by comparing two groups of 3D shapes when shapes are presented in different sizes, colours and orientations. Includes cubes, cuboids, spheres and cones, cylinders and square-based pyramids with some perspective lines visible.**
**Greater Depth Explain who is correct by comparing two groups of 3D shapes when shapes are presented in different sizes, colours and orientations. Includes cuboids, cubes, cylinders, cones and square-based pyramids with no perspective lines visible. Some use of real life objects.**

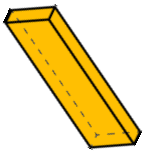
## More Year 1 Shape resources.

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

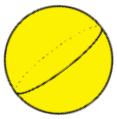
# Sort 3D Shapes

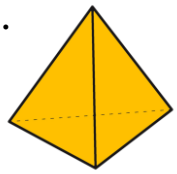
**1. Circle the spheres below.**

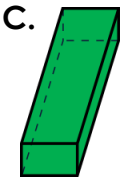
A. 

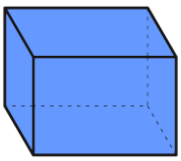
B. 

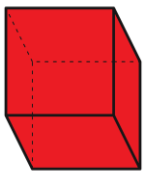
D. 

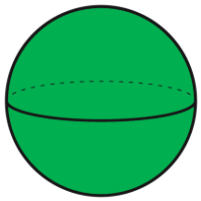
G. 

H. 

C. 

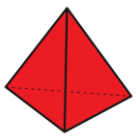
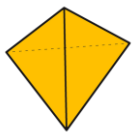
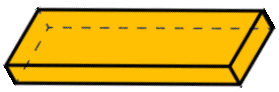
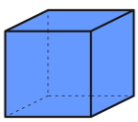
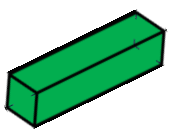
E. 

F. 

I. 

VF
HW/Ext

**2. Match the same 3D shapes together.**

| | |
|---|---|
| A.  | 1.  |
| B.  | 2.  |
| C.  | 3.  |

VF
HW/Ext

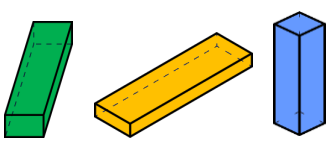
**3. Tom and Kate are sorting shapes.**

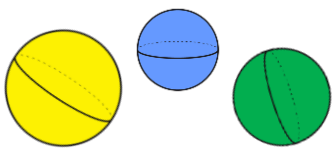
Tom

I have cubes and Kate has spheres.

I have spheres and Tom has cuboids.

Kate





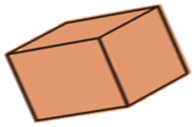
**Who is correct? Explain your answer.**

RPS
HW/Ext

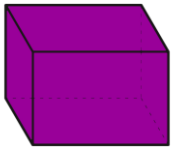
# Sort 3D Shapes

**4. Circle the cuboids below.**

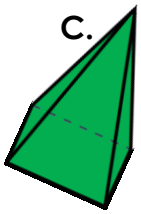
A.



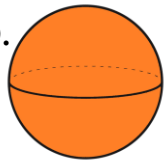
B.



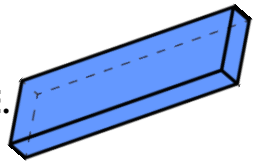
C.



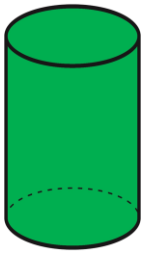
D.



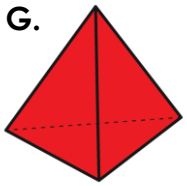
E.



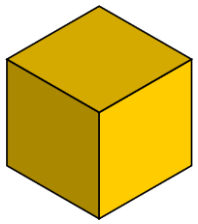
F.



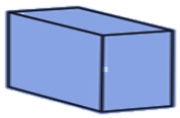
G.



H.

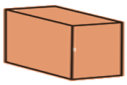
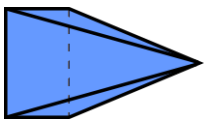
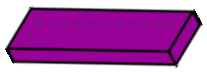
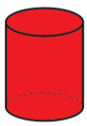


I.



VF
HW/Ext

**5. Match the same 3D shapes together.**

| | |
|---|---|
| A.  | 1.  |
| B.  | 2.  |
| C.  | 3.  |

VF
HW/Ext

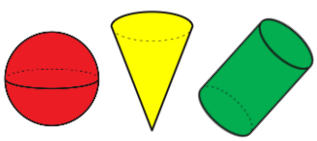
**6. Jess and Max are sorting shapes.**

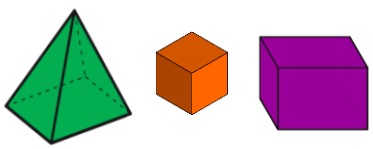
Jess

I have shapes with curved faces. Max has shapes with flat faces.

I have shapes with curved faces. Jess has shapes with flat faces.

Max





**Who is correct? Explain your answer.**

RPS
HW/Ext

# Sort 3D Shapes

**7. Circle the cylinders below.**

A. 

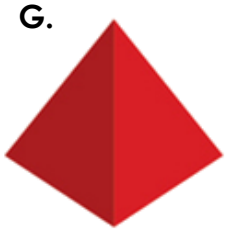
B. 

C. 

D. 

E. 

F. 

G. 

H. 

I. 

GD

VF
HW/Ext

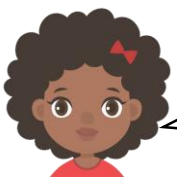
**8. Match the same 3D shapes together.**

| | |
|---|---|
| A.  | 1.  |
| B.  | 2.  |
| C.  | 3.  |

GD

VF
HW/Ext

**9. Josie and Leo are sorting shapes.**



Josie: We both have shapes with square faces.

Leo: I have shapes with circular faces. Josie has shapes with square faces.

**Who is correct? Explain your answer.**

GD

RPS
HW/Ext

# Homework/Extension
# Sort 3D Shapes

## Developing

1. A, D, G, I
2. A. 1, B. 3, C. 2
3. Kate is correct because Tom has cuboids and she has spheres.

## Expected

4. A, B, E, I
5. A. 2, B. 1, C. 3
6. Jess is correct because she has shapes with curved faces and Max has shapes with flat faces only.

## Greater Depth

7. A, C, E, H, I
8. A. 2, B. 3, C. 1
9. Leo is correct because Josie has shapes with square faces and he has shapes with circular faces.