MATH

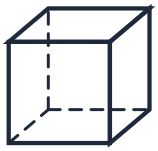
# 3D shapes

Name _____ Date _____

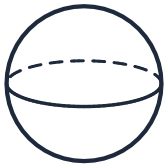
**I can name cubes, spheres, cones, cylinders, prisms and pyramids.**

## 1 Meet the solid shapes

Solid shapes are 3D: you can hold them.



**Cube**
like an ice cube



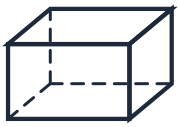
**Sphere**
like a ball



**Cone**
like an ice cream cone



**Cylinder**
like a can



**Rectangular prism**
like a box

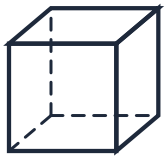


**Pyramid**
has a square base and a point

## 2 Flat or solid?



**A flat shape (2D) is drawn on paper.**
You can only see one side of it.



**A solid shape (3D) takes up space.**
You can hold it and turn it around.

**How did I do?** ☆ ☆ ☆

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# Match the object to its shape

Name _____ Date _____

I can name solid shapes in the world around me.

## 1 Draw a line from each object to its shape

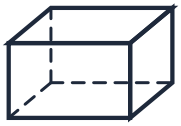












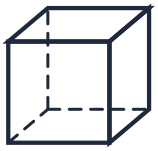
Rectangular prism



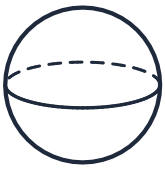
Cylinder



Cone



Cube



Sphere

How did I do? ☆ ☆ ☆

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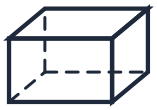
# Flat or solid?

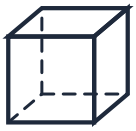
Name _____ Date _____

I can tell flat (2D) shapes from solid (3D) shapes.

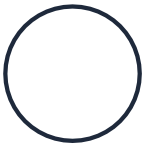
## 1 Tick flat or solid for each shape


☐ flat ☐ solid


☐ flat ☐ solid


☐ flat ☐ solid


☐ flat ☐ solid


☐ flat ☐ solid


☐ flat ☐ solid

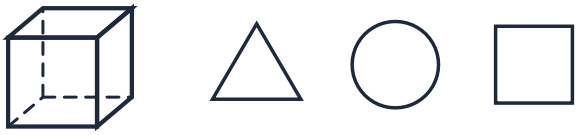

☐ flat ☐ solid

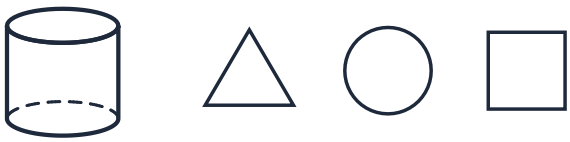

☐ flat ☐ solid


☐ flat ☐ solid

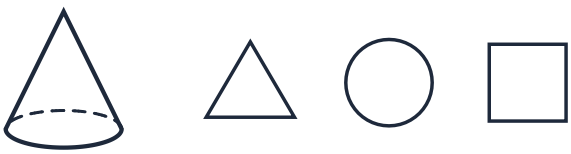

☐ flat ☐ solid

## 2 Which flat shape is on the bottom? Circle it.









How did I do? ☆ ☆ ☆

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# Word problems

Name _____ Date _____

**I can use what I know about shapes to solve problems.**

## 1 Read, think, answer

Draw the shapes to help you.

**1** Mia kicks a ball. What solid shape is a ball?

**Answer:** _____

**2** A box has 6 flat faces. Sam has 2 boxes. How many flat faces are there in all?

**Answer:** _____

**3** Which shape can roll: a cube or a cylinder?

**Answer:** _____

**4** I have one flat face shaped like a circle and one point. What am I?

**Answer:** _____

**How did I do?** ☆ ☆ ☆

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FOR TEACHERS AND PARENTS

# Answer key: 3D shapes

## 1 Page 1

Meet the solid shapes: talk about where you see each one at home.

## 2 Page 2

ball: sphere, can: cylinder, icecream: cone, cube: cube, box: rectangular prism.

## 3 Page 3

Flat: rectangle, circle, triangle, hexagon, square. Solid: cylinder, rectangular prism, cube, cone, sphere.
Bottom faces: cube: square, cylinder: circle, pyramid: square, cone: circle.

## 4 Page 4: word problems

1) a sphere
2) 12 faces (2 x 6)
3) the cylinder (it has a curved surface)
4) a cone

## 5 Teaching tip

Fill a bag with a ball, a can, a box and a party hat. Children reach in, feel one shape without looking, and name it.



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