



ADULT GUIDE · KEEP THIS PAGE

Recognise 2D and 3D shapes

England national curriculum · Year 1 · geometry

What this pack helps with

Recognise, name and describe common 2D and 3D shapes using visible properties and familiar-object links.

Start here

The child can trace a line, count to 6 and use everyday words such as flat, solid, round and corner.

Use a pencil. Let the child handle safe household shapes when available, then match the object to the printed model.

Print and use

Print A4 at actual size (100%). Child pages: **2-6**. Answers and feedback: **7**. Colour is optional; every task works in black and white.

Model page 2 together. Ask the child to trace a side, route or turn with a finger before writing. Accept spoken explanations and scribe when writing is the barrier.

What to try next

Names by orientation	Turn the page or object and repeat: position does not change the shape name.
Counts corners instead of sides	Trace each boundary once and mark every side as it is counted.
Calls every box a cube	Compare a cube with a longer cuboid and handle examples if possible.
Works confidently	Ask the child to describe a mystery shape without saying its name.

Scope and source

Common printed shape models and visible properties. A drawing cannot prove full spatial reasoning, and a 2D picture of a 3D object is only a representation. Based on DfE Year 1 mathematics and primary mathematics guidance (England; OGL v3.0). Original TheLearnDen tasks and artwork; not an official assessment. Free to print and share.



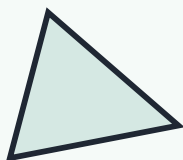
Recognise 2D and 3D shapes

Name: _____ Date: _____

Try it together

A triangle is a flat 2D shape with 3 straight sides. Turning it does not change its name.

A



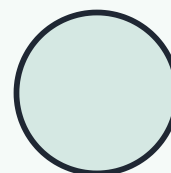
triangle

B



square

C



circle

Say the rules

A shape keeps its name when it **turns**.

Count each **side once**.

2D shapes are flat.

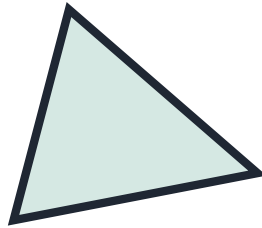
3D shapes are solid.



PRACTISE WITH SUPPORT · GEOMETRY

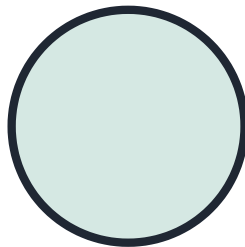
Name common 2D shapes

1 What is this 2D shape called?



It is a .

2 What is this 2D shape called?



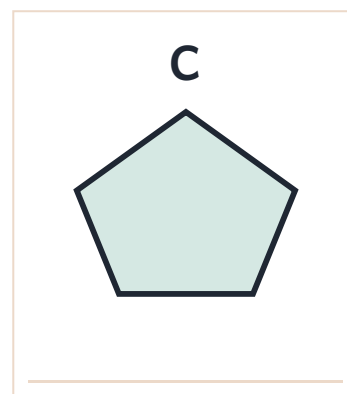
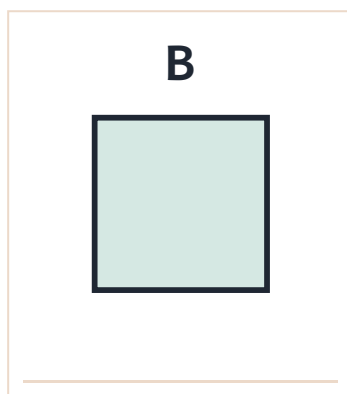
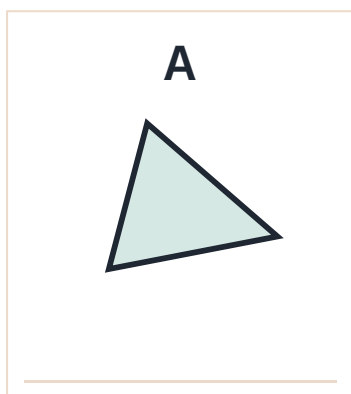
It is a .



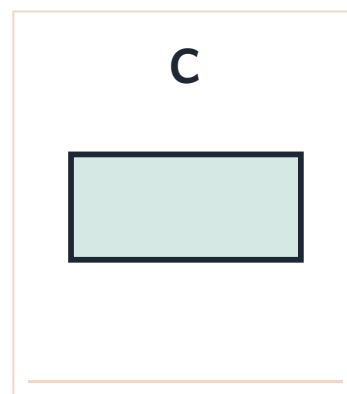
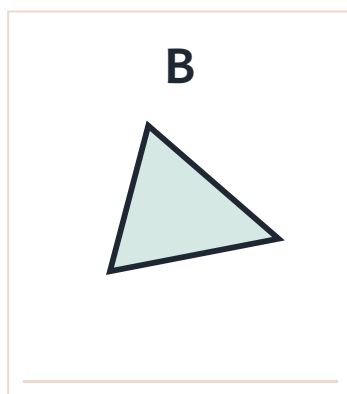
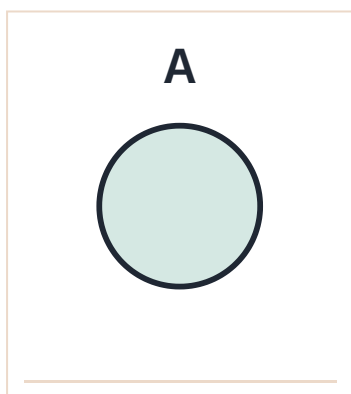
PRACTISE WITH SUPPORT · GEOMETRY

Use 2D shape properties

- 3 Trace and count the straight sides.
Write each number under its shape.



- 4 Which shape has 4 straight sides,
with 2 long and 2 short? Circle A, B or C.

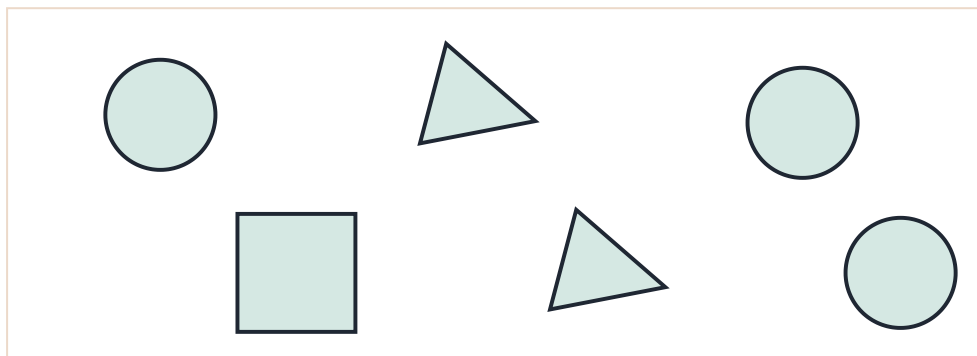




PRACTISE WITH SUPPORT · GEOMETRY

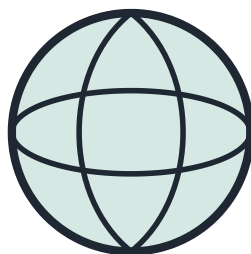
Count 2D and name 3D

5 Count each kind of shape. Touch each one once.



circles triangles squares

6 What is this 3D shape called?



It is a .



REASON AND EXPLAIN · GEOMETRY

Match and sort shapes

7 Name the 3D shape shown by each model.

**ball**

shape: _____

**dice**

shape: _____

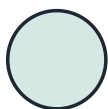
**cereal box**

shape: _____

**party hat**

shape: _____

8 Draw a line from each shape to the correct group.

**circle****square****cube****cuboid****pyramid****2D - flat****3D - solid**



ADULT ANSWER GUIDE

Answers and next steps

Ask the child to trace or point to the evidence. For routes and turns, let the child demonstrate physically. Record support; this is teaching practice.

- 1 triangle.** It is a triangle: it has 3 straight sides.
Accept the independently checked answer plus pointing, tracing or spoken use of the named geometry language.
- 2 circle.** It is a circle: its boundary is curved and has no straight sides.
Accept the independently checked answer plus pointing, tracing or spoken use of the named geometry language.
- 3, 4, 5.** The shapes have 3, 4 and 5 straight sides.
Accept all three counts matched to the correct shape.
- 4 rectangle.** The pictured rectangle is the only option with 4 straight sides; it has two longer and two shorter sides.
Accept the independently checked answer plus pointing, tracing or spoken use of the named geometry language.
- circle: 3; triangle: 2; square: 1.** There are 3 circles, 2 triangles and 1 square.
Accept all three exact counts.
- sphere.** It is a sphere: it is round all over.
Accept the independently checked answer plus pointing, tracing or spoken use of the named geometry language.
- sphere, cube, cuboid, cone.** Ball-sphere, dice-cube, cereal box-cuboid, party hat-cone.
Accept all four matches; real objects may vary, so use these pictured models.
- 2D: circle, square; 3D: cube, cuboid, pyramid.** Circle and square are 2D; cube, cuboid and pyramid are 3D.
Accept every item in the correct flat or solid group.

My practice trail



One thing to practise next: _____