

Discussion Problems

Step 1: Recognise 2D and 3D Shapes

Teaching note: Children will need an A3 copy of this resource and scissors.

National Curriculum Objectives:

Mathematics Year 2: (2S1) [Interpret and construct simple pictograms, tally charts, block diagrams and simple tables](#)

About this resource:

This resource has been designed for pupils who understand the concepts within [this step](#). It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More [Year 2 Properties of Shape](#) resources.

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

Recognise 2D and 3D Shapes

1. Here is one piece a shapes jigsaw.



Which 2D shapes could be in the jigsaw? Explore how many different variations you can find.

DP

2. Match the names of each 3D shape to its picture to create one large triangle. One piece is missing. Make your own lost piece to fit in the puzzle.

The puzzle consists of seven triangles arranged in two rows. The top row has four triangles and the bottom row has three. Each triangle contains a 3D shape and its name. The shapes are: a basketball (cube), a cone (triangular-based pyramid), a rectangular prism (cuboid), a square-based pyramid (square-based pyramid), a hexagonal prism (hexagonal prism), a red die (cylinder), a cereal box (cone), a triangular prism (triangular prism), and a sphere (sphere).

DP

Recognise 2D and 3D Shapes

1. Here is one piece a shapes jigsaw.

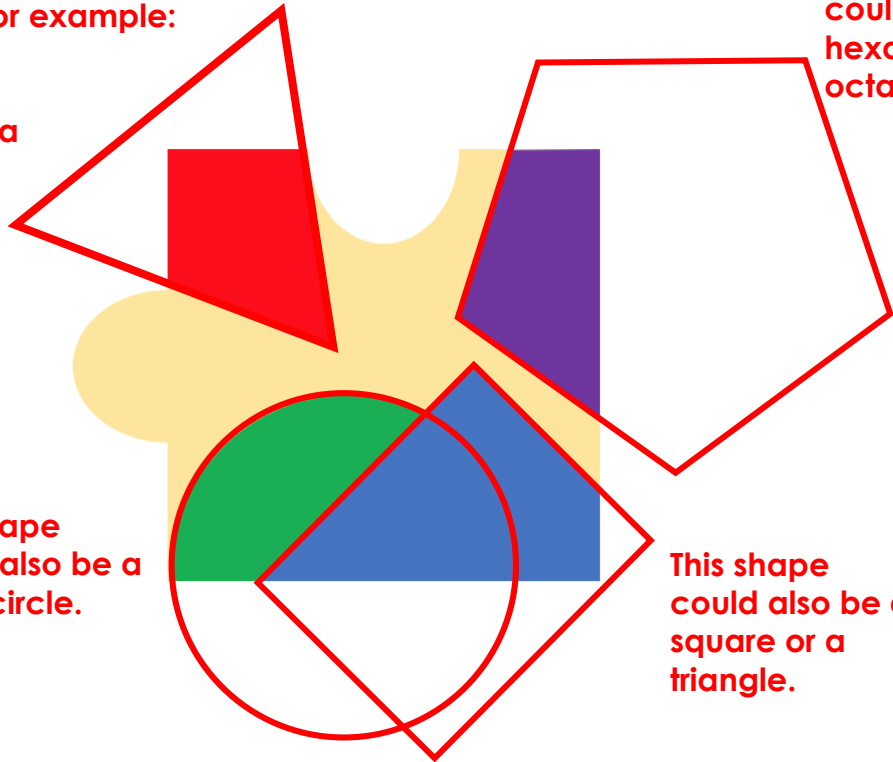
Various answers, for example:

This shape could also be a pentagon.

This shape could also be a semi-circle.

This shape could also be a hexagon or an octagon.

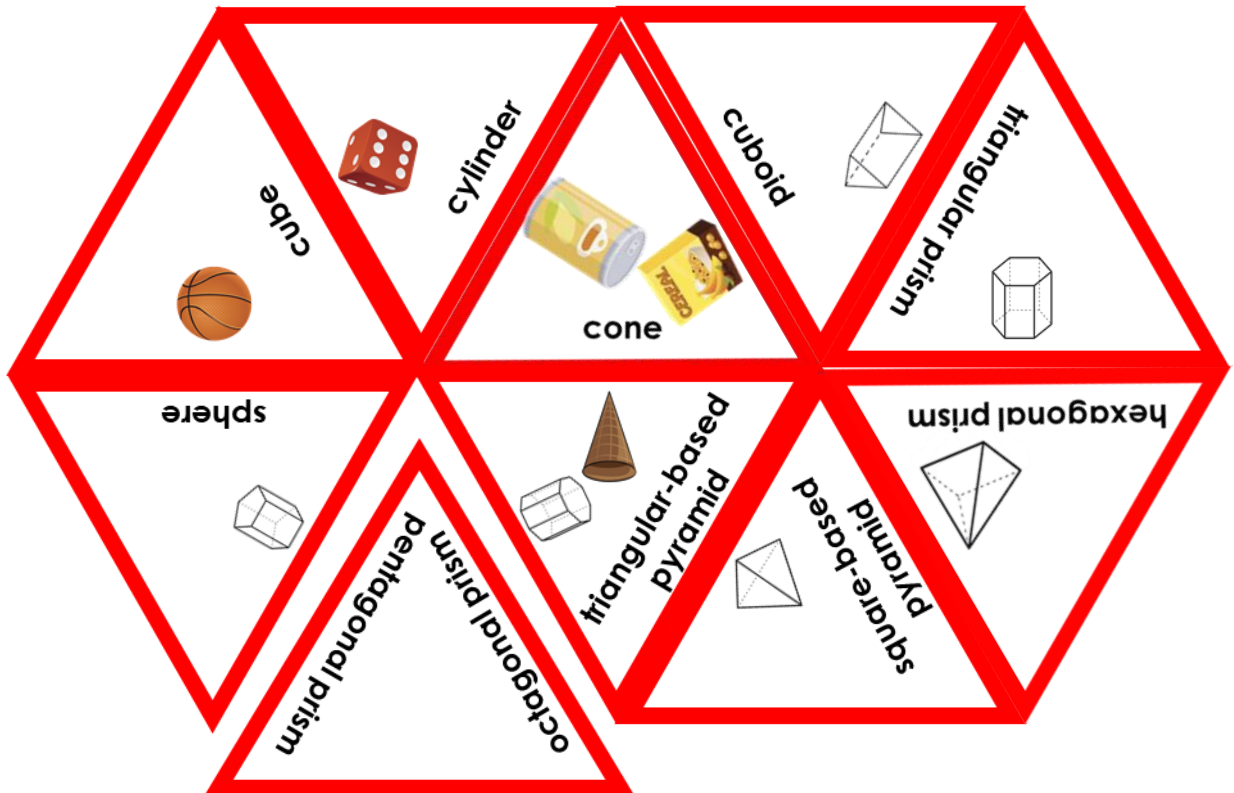
This shape could also be a square or a triangle.



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DP