Solid objects and geometric properties

Learn and practise | Free preview

A sample from this topic. The complete topic collection contains three different resources and worked solutions.

Show your thinking using words, working or a labelled drawing. Use the explanations and example first.

What you will practise

• Solid objects and geometric properties

• Explain and check an answer with an appropriate representation.

Useful starting skills: Use objects, drawings or a number line to explain a simple idea.

Classify a shape or object using its properties, such as sides, corners, faces, edges and curved surfaces. Its colour, size or direction does not determine its name.

Compare examples and non-examples. Build or draw different representatives of a category, then explain what all members share and what can vary.

Worked example

Is a rotated square still a square?

Check its four equal sides and four right angles.

These properties stay unchanged after turning.

Answer: Yes

Try it yourself

Name: _____ Date: _____

1. A cube has 6 faces. What shape is each face?

2. Describe the faces of a triangular prism.

Answers and explanations

Check the method as well as the final answer. An alternative correct method is also valid.

1. Square

All six faces of a cube are congruent squares.

2. 2 matching triangles and 3 rectangles

The two triangular ends are joined by rectangular side faces.

Curriculum reference: VC2M4SP01; VC2M4SP02

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