# Reasoning about 3D shapes

1 Match the net to the correct label.
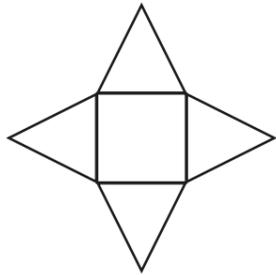
cube
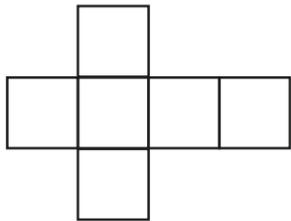
cylinder
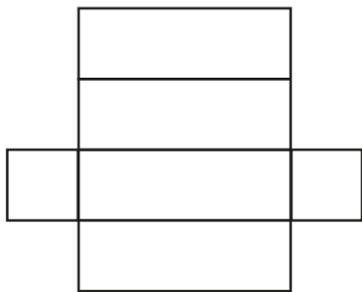
square-based pyramid
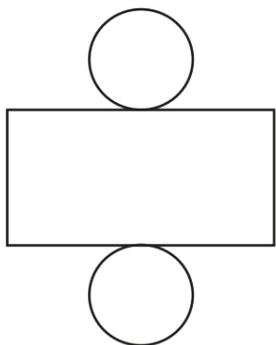
cuboid

2 Complete the sentences.

a) The faces of a _____ are all square.

b) A square-based pyramid has ☐ triangular faces and ☐ square face.

c) The net of a _____ is made up of 2 circles and a rectangle.

3

Whitney: The net of a cuboid is made up of 4 rectangles and 2 squares.
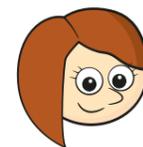
Rosie: The net of a cuboid is made up of 6 rectangles.

Who do you agree with? Circle your answer.

Whitney   **Rosie**   **both of them**

Explain your reasons.

_____

_____

4 Tick the diagram that is the net of a cone.

☐   ☐   ☐
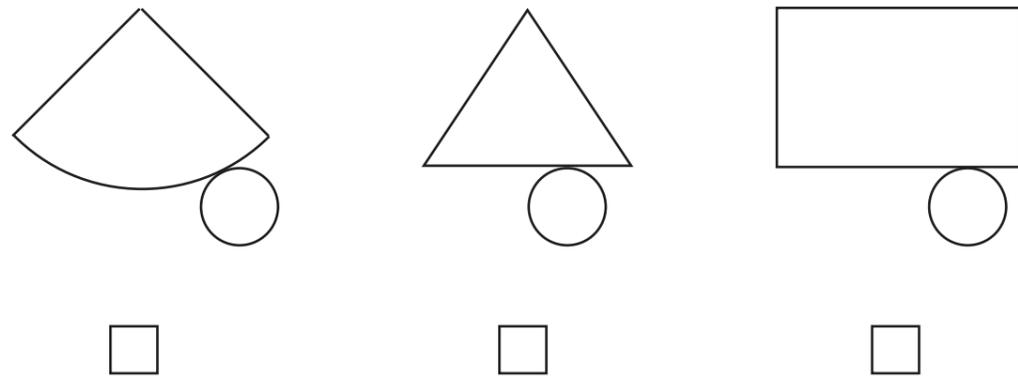
Compare answers with a partner.

5 Draw the net for a triangular prism on the squared grid.
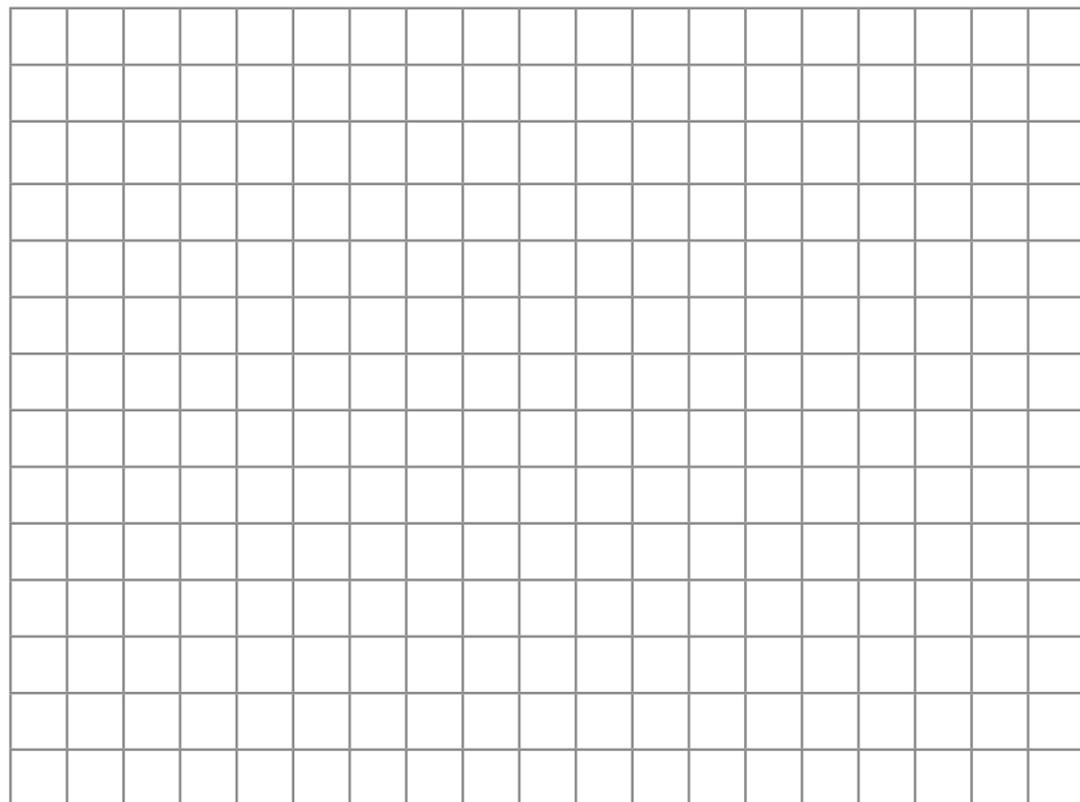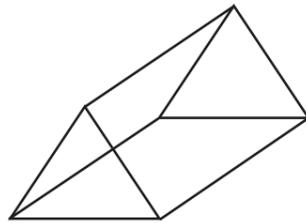
6 Draw an **accurate** net for this cuboid on the squared grid.

1 cm

1 cm

2 cm

5 cm

3 cm
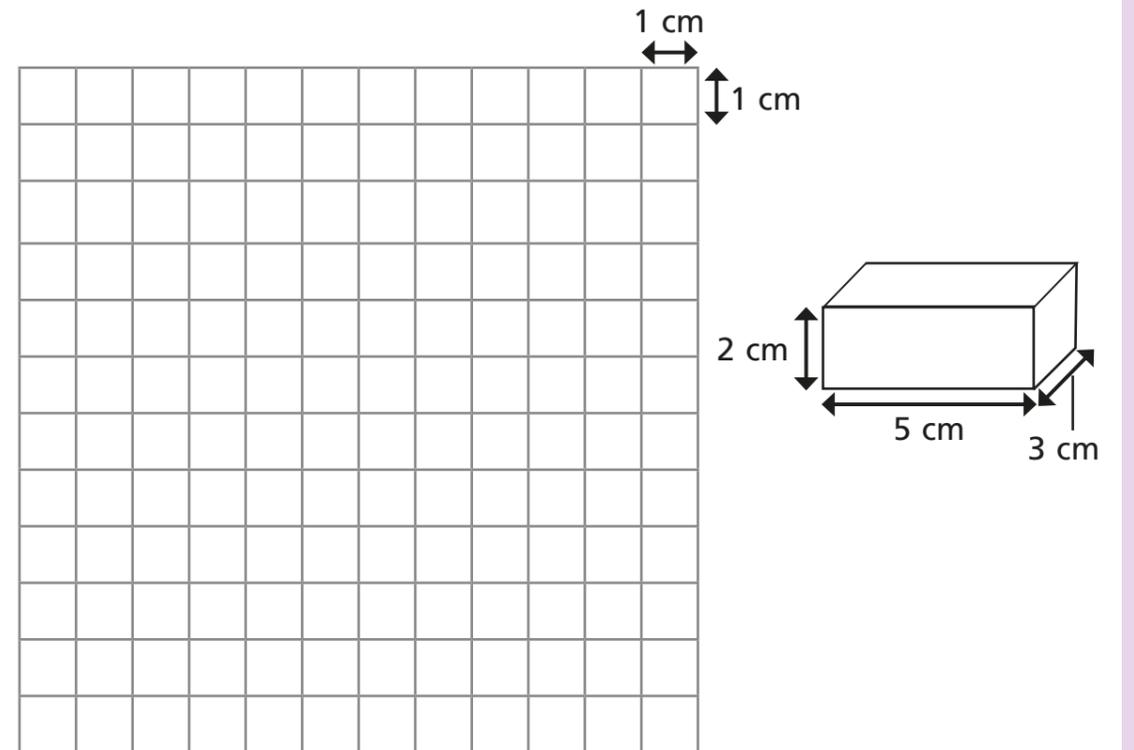
7 Draw two different cuboids on the isometric paper.