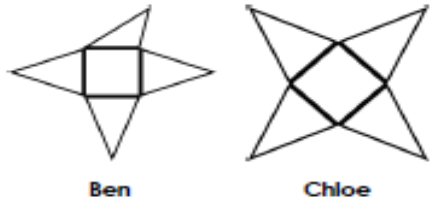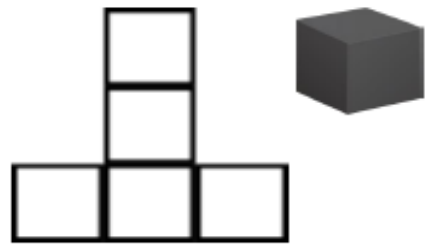This week we are recapping on 2D and 3D shapes.

LO: To identify the properties of 3D shapes and their nets (bronze)
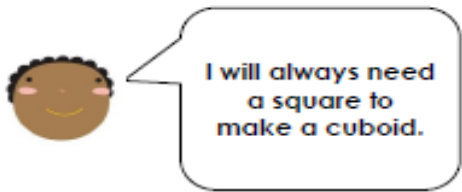
1a. Ben and Chloe have made nets of a square-based pyramid. Check which nets would work and explain any mistakes which have been made.

Ben   Chloe

2a. Lily has not been able to finish this net of a cube. Complete the net for her.
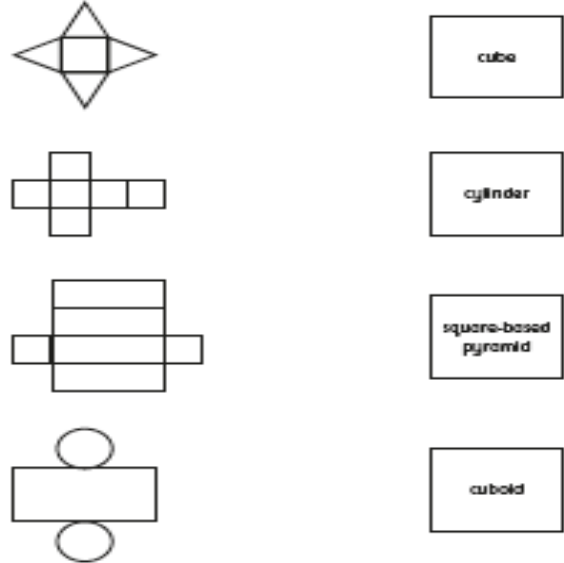
3a. Karl is thinking about 3D shapes.

I will always need a square to make a cuboid.

Is he correct? Explain your answer.

4 Match the net to the correct label.

cube

cylinder

square-based pyramid

cuboid

5 Ron is drawing the net of this cube.

2 cm

2 cm

2 cm

a) Here is part of his net.

1 cm

1 cm
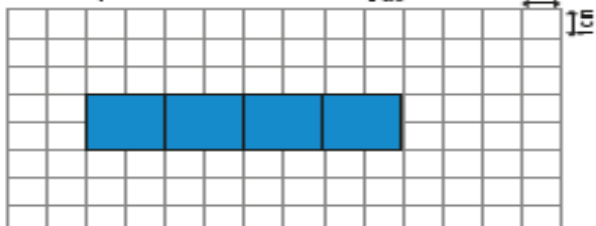
Complete the net.

b) Complete the net in a different way.

1 cm

1 cm
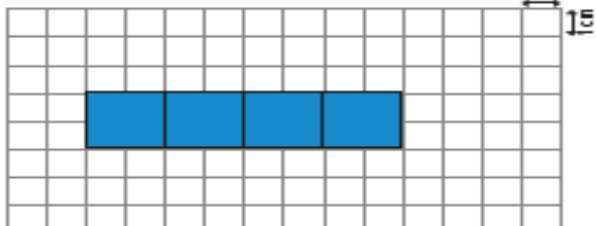
6 Tick the nets that will make a cube.

A

C

B

D
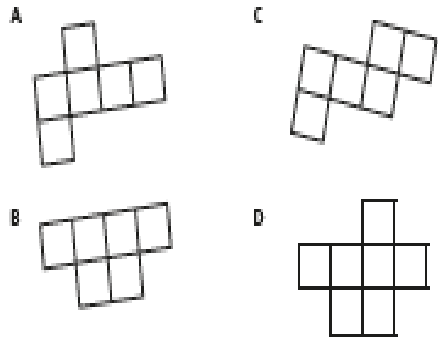
7 Complete the sentences.

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.

LO: To identify the properties of 3D shapes and their nets (silver)

1 Ian, Katya and Tom have made nets of a cylinder. Check which nets would work and explain any mistakes which have been made.

Ian

Katya

Tom

2 Doug has not been able to finish this net of a truncated triangular-based pyramid. Complete the net for him.

3 Leia is thinking about 3D shapes.

I will always need a sector of a circle to make a circular-based cone.

Is she correct? Explain your answer.

4

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.

5 Draw the net for a triangular prism on the squared grid.

6 Match each net to its 3D shape.

7 Here is the net of a cube.

The net is made into a cube.

Which two corners will meet the corner marked with ∎?

Mark them with a cross.

This week we are recapping on 2D and 3D shapes.

LO: To identify the properties of 3D shapes and their nets (gold)

1 Flo, Anna and Stu have made nets of a cube with a truncated square-based pyramid on top. Check which nets would work and explain any mistakes which have been made.

Flo

Anna

Stu

2 Nicki has only drawn the base for a net of this 3D shape. Complete the net for her.

3 Rohit is thinking about 3D shapes.

I will always need eight isosceles triangles to make an octahedron.

Is he correct? Explain your answer.

4 Draw an accurate net for this cuboid on the squared grid.

1 cm

1 cm

2 cm

5 cm

3 cm

5 a) Complete a drawing of the net for the tetrahedron.

b) Draw the net of this hexagonal pyramid.

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

☐   ☐   ☐

7 Which of these shapes is the net of a prism? Tick your answer.

Talk about your reasoning with a partner.