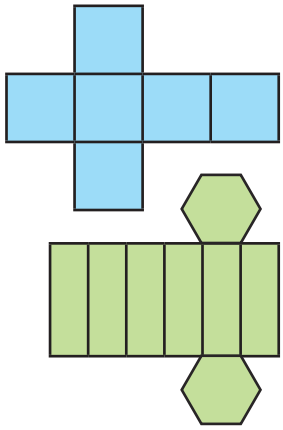
1) a) Give a definition of a net in one sentence.

_____

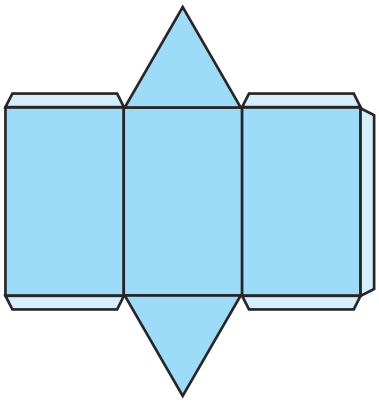
b) Match the nets of 3D shapes to their correct names. Some names won't be needed.

cube
rectangular based pyramid
hexagonal prism
tetrahedron



2) a) When assembled, what 3D shape does this net make?

_____



b) How many faces does the assembled 3D shape have? Describe them.

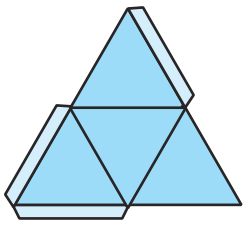
_____

_____

_____

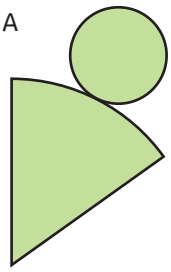
_____

3) When assembled, what 3D shape does this net make? _____

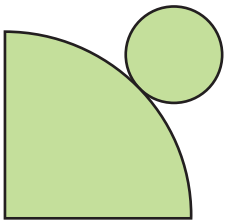


4) Which of these nets would make a cone? Circle the correct answer.

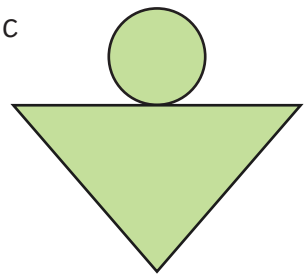
A



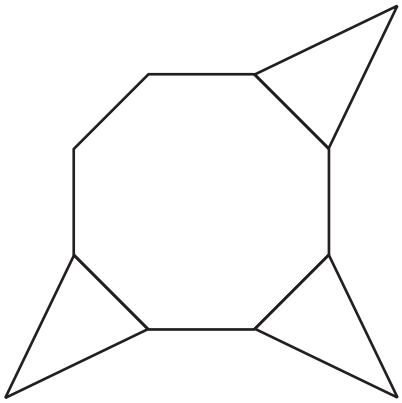
B



C

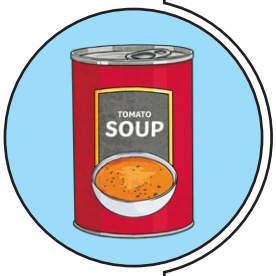


1) Mandy is attempting to create a net of an octagonal based pyramid. Complete the net.



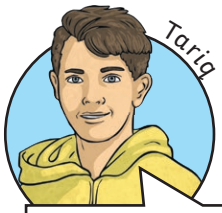
2) Year 6 are discussing nets of shapes.

You cannot make a net of the soup can because it is curved.

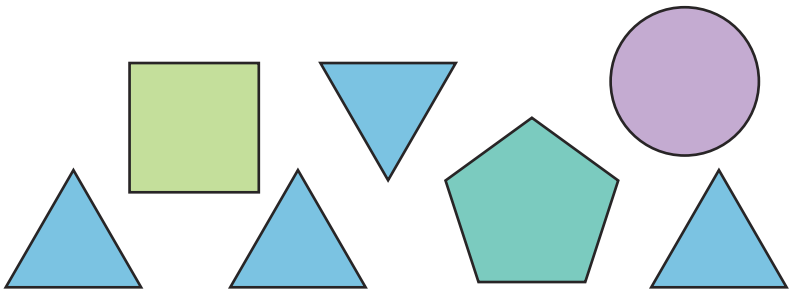


Do you agree with Hamed? Draw a net to support your explanation.

3) Tariq is discussing the possibility of constructing a net from these 2D shapes.

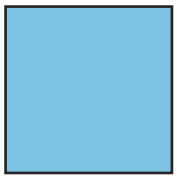


It is impossible to make a net for a 3D shape using the shapes I have.



Do you agree with Tariq? If not, draw a net to support your reasoning.

1) Here is part of a net from a 3D shape. Which 3D shape could it be? Find as many examples as you can, explaining how you know.



2) Here is part of a net from a 3D shape. Which 3D shape could it be? Find as many examples as you can, explaining how you know.

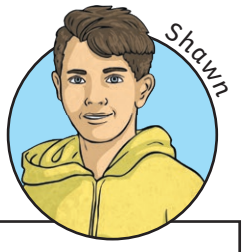
3) Year 6 are discussing the way in which nets of cubes are created. Which child do you agree with? Use diagrams and reasoning to support explanations.

Any net made with 6 squares can be folded to make a cube.

Nets of cubes can be made using 6 squares, but only in particular orders.

4) Shawn is discussing nets of 3D shapes.

You cannot make a net of a 3D shape using less than five 2D shapes as faces.



Shawn is incorrect. Draw as many nets as you can to prove this.