Name:

Exam Style Questions

Nets

Corbettmaths

Equipment needed: Pen, pencil & ruler

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

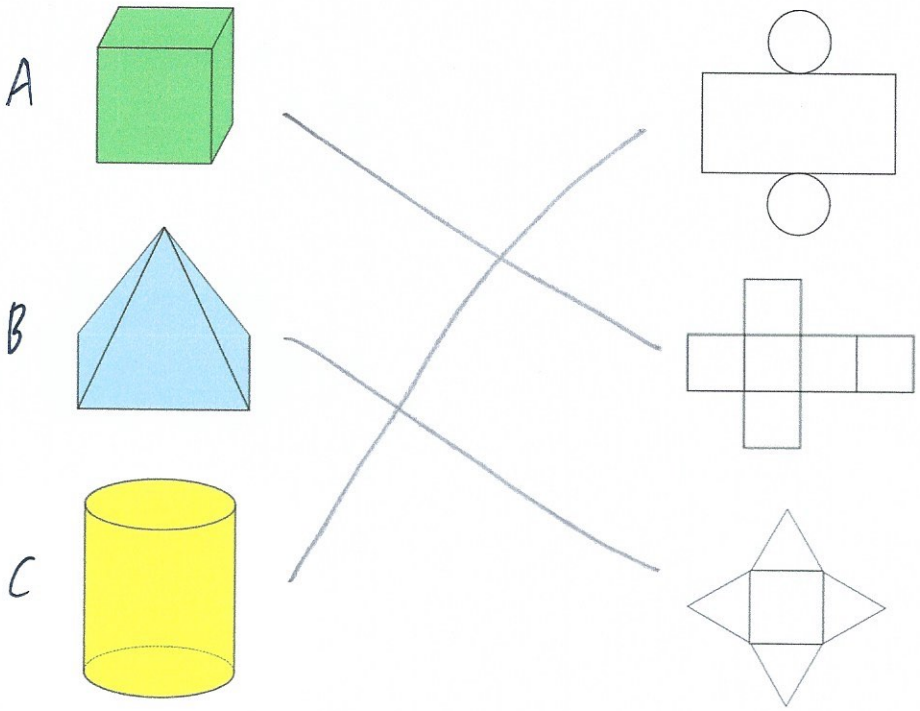
Video Tutorial

www.corbettmaths.com/contents

Video 4

Answers and Video Solutions

1. The diagram below shows three 3D solid shapes and their nets.



(a) Match each solid shape to the correct net.

(3)

(b) Name shape C

Cylinder

(1)

(c) Write down the number of faces of shape A.

6

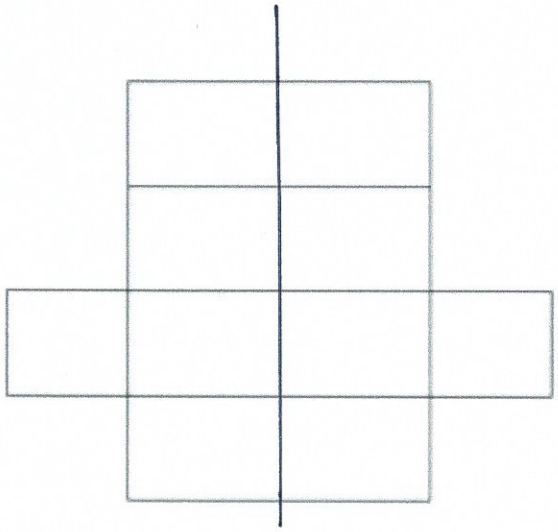
(1)

(d) Write down the number of vertices of shape B.

5

(1)

2. The diagram shows a net of a solid.



(a) Write down the name of the solid.

Cuboid

.....

(1)

(b) The net has one line of symmetry.
Draw the line of symmetry on the diagram.

(1)

(c) Write down how many faces the solid has.

6

.....

(1)

(d) Write down how many vertices the solid has.

8

.....

(1)

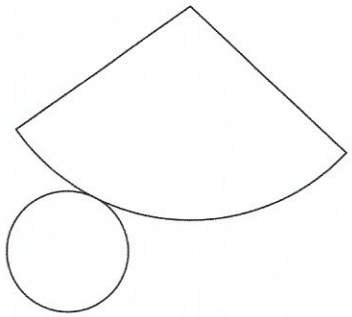
(e) Write down how many edges the solid has.

12

.....

(1)

3. Shown below is a net of a 3D shape.

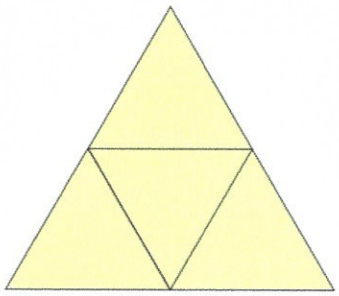


Circle the which 3D shape.

Cylinder Pyramid Cube Cone

(1)

4.

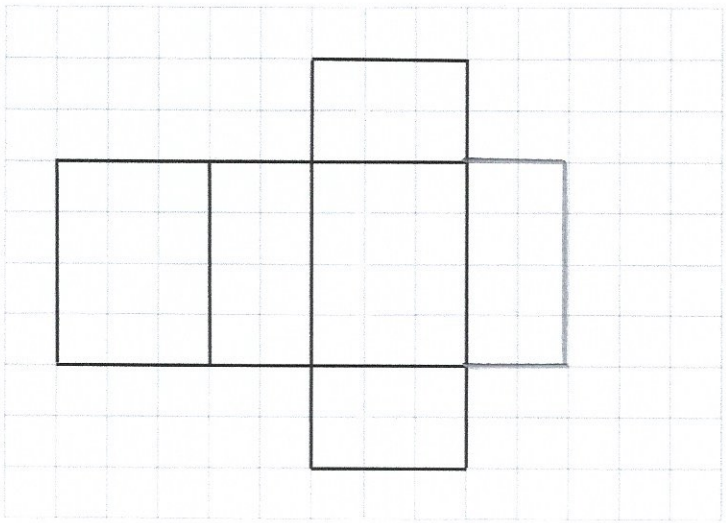


The net of which 3D shape is shown above?

Triangular based pyramid
or
tetrahedron

(1)

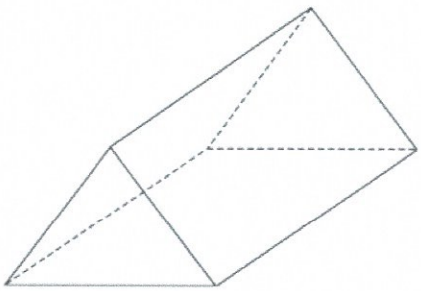
5. Part of the net of a cuboid is shown below.



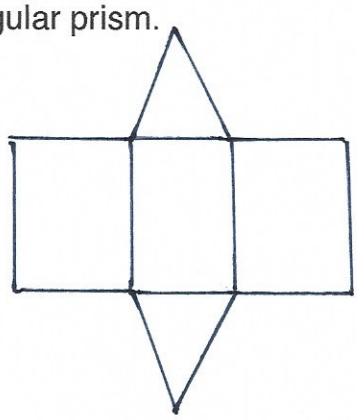
Complete the net of the cuboid on the grid above.

(1)

6. Shown below is a triangular prism.

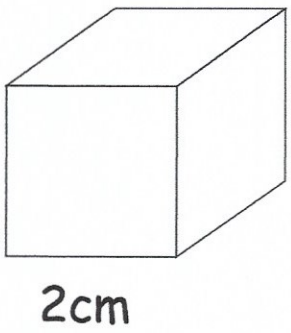


Sketch a net for the triangular prism.

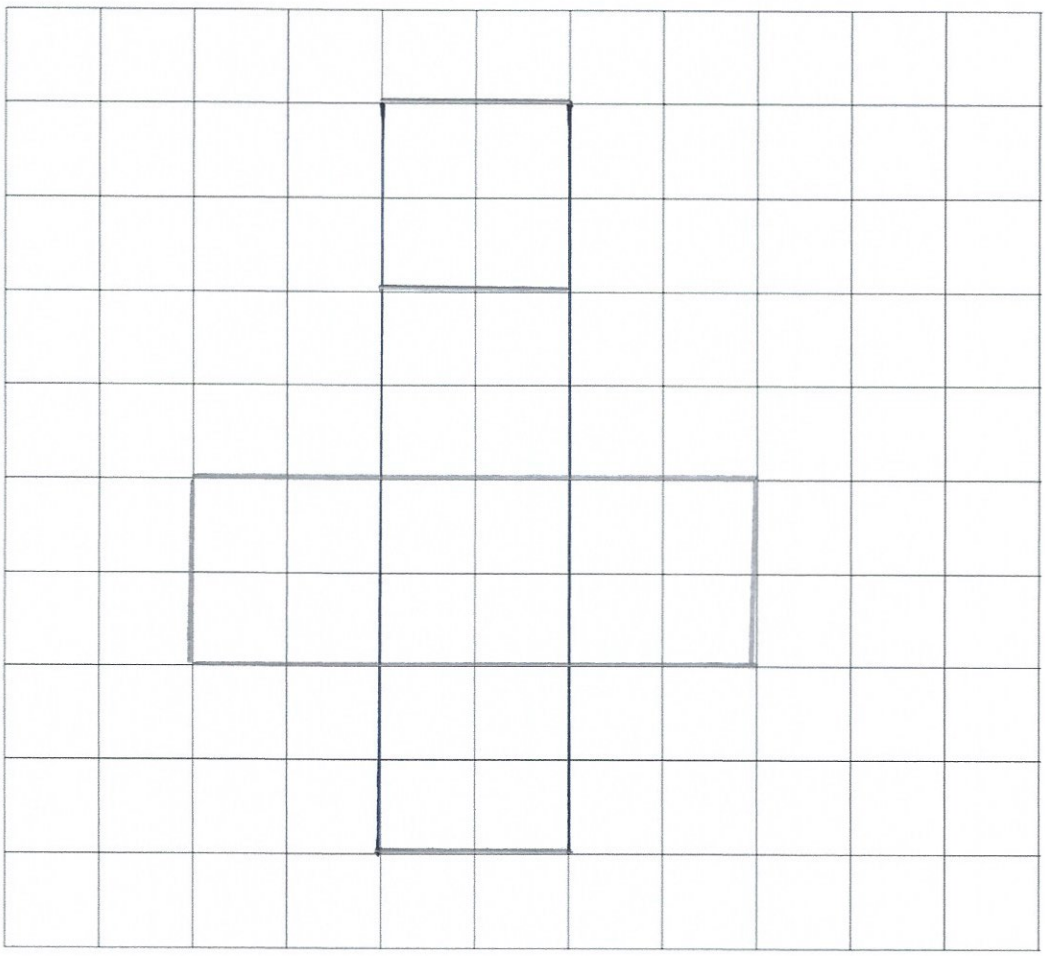


(2)

7. Shown below is a cube with side length, 2cm.

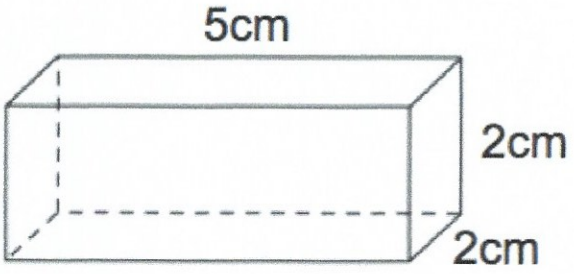


Draw a net of the cube on the centimetre square grid below.

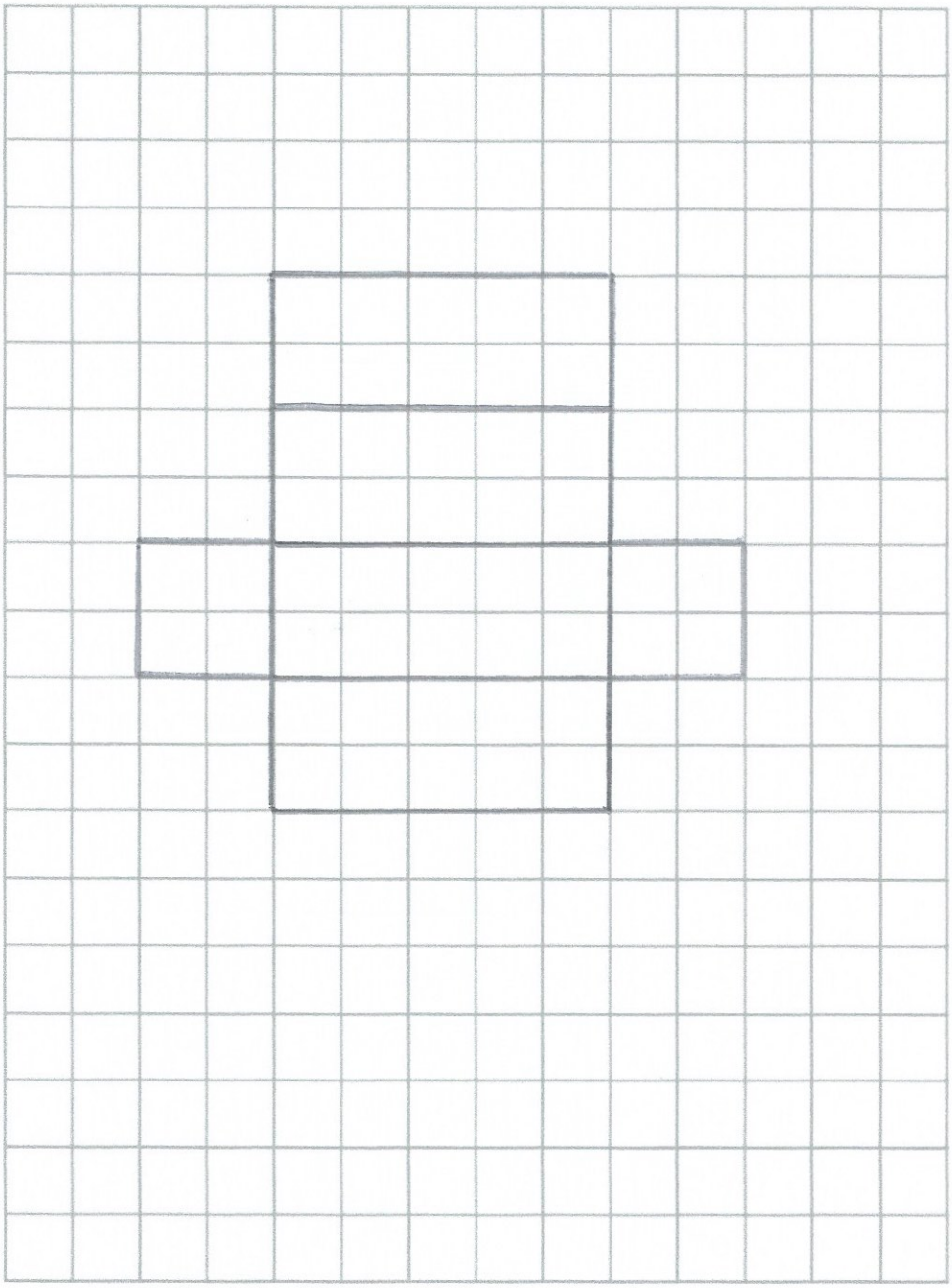


(2)

8. Shown below is a cuboid.

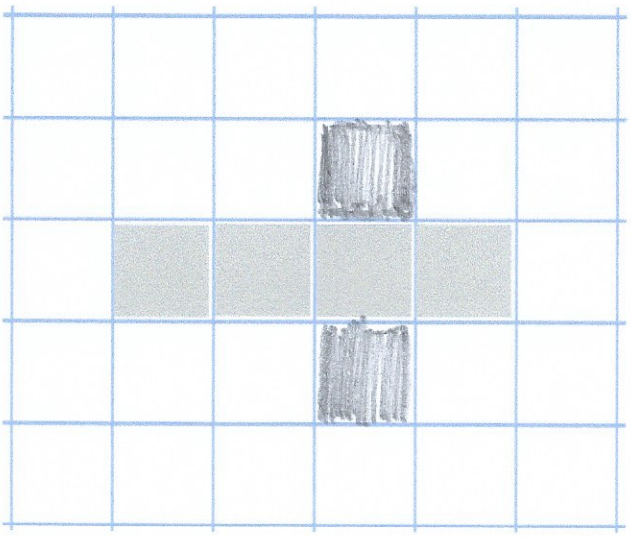


Draw a net for the cuboid on the centimetre square grid below.



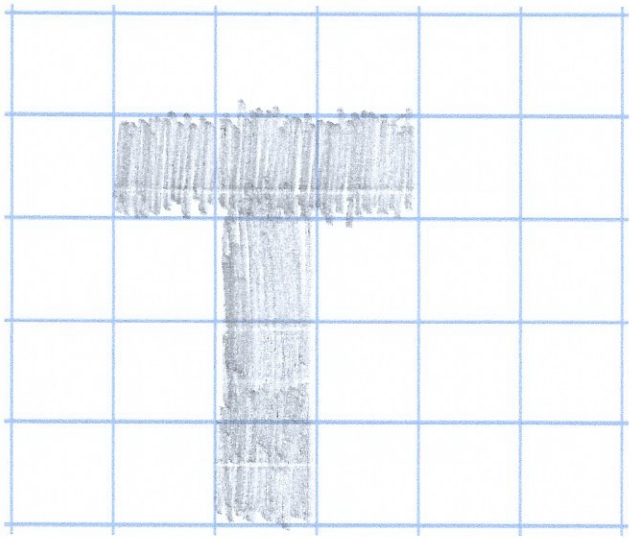
(3)

9. (a) Shade two more squares so that the shaded shape is a net of a cube.



(1)

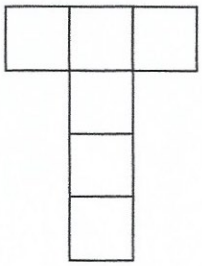
(b) Shade six more squares to create a different net of a cube.



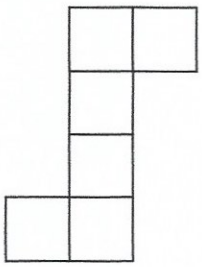
(1)

10. Which of these is **not** a net of a cube?

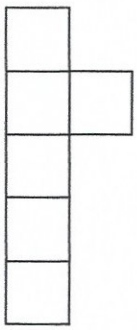
A



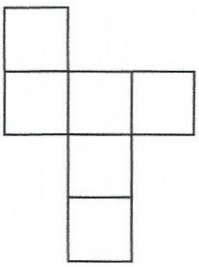
B



C



D



C

(1)

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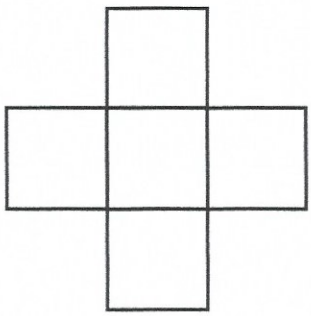
11. Harley has drawn the net of a cube.

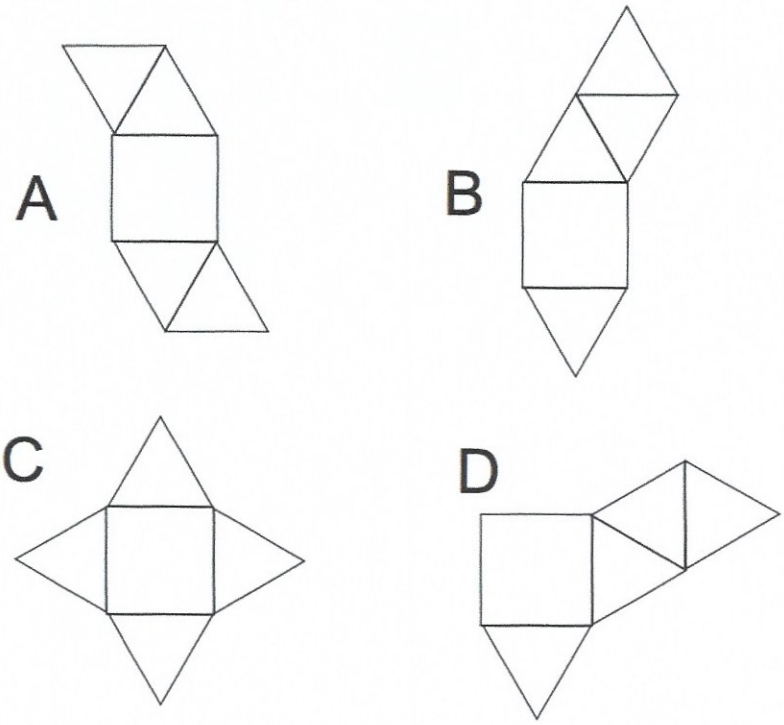


Explain why this is not a correct net.

The cube needs 6 faces, so an extra square is needed.

(1)

12. Here are 4 diagrams.



Three of these diagrams show a net for a square-based pyramid.

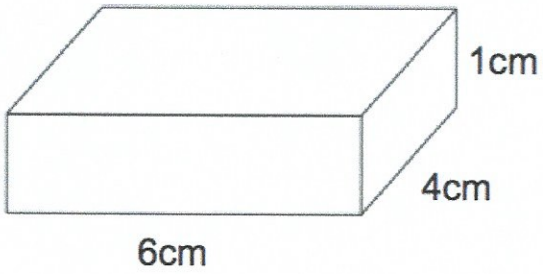
Write down the letter of the diagram which is **not** a net for a square-based pyramid.

B

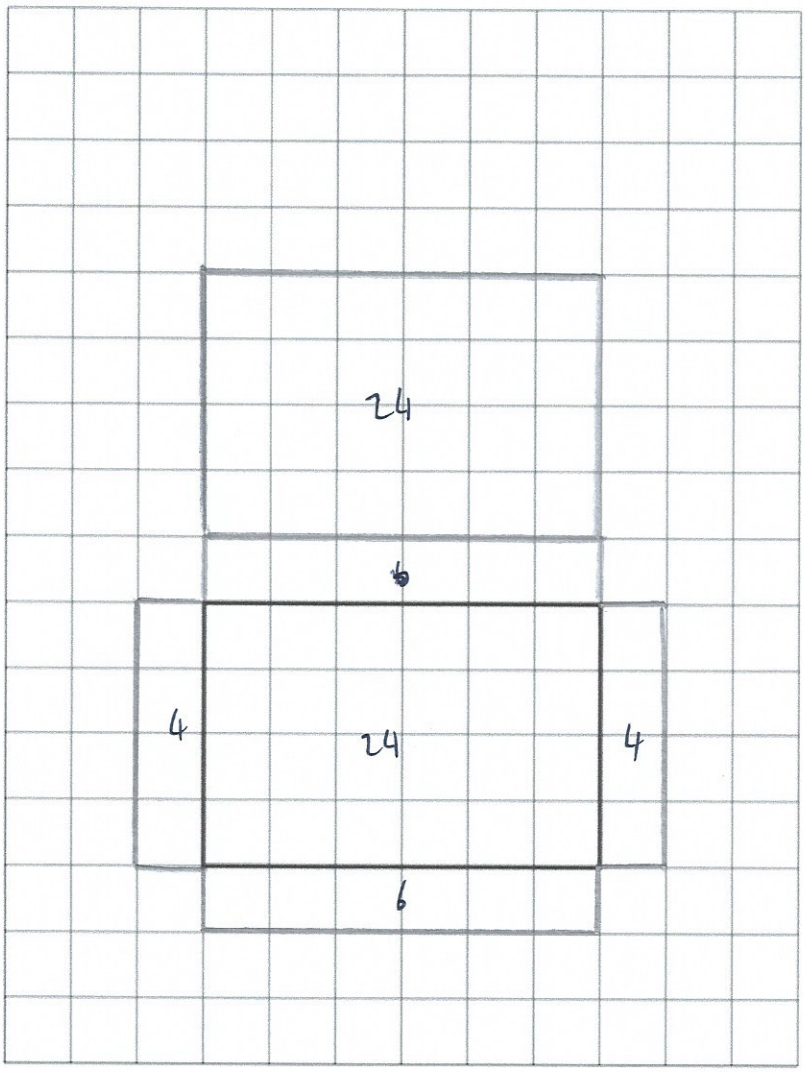
.....

(1)

13. Below is a cuboid with length 6cm, width 4cm and height 1cm.



(a) Complete an accurate net of the cuboid.
Each square represents 1cm²



(3)

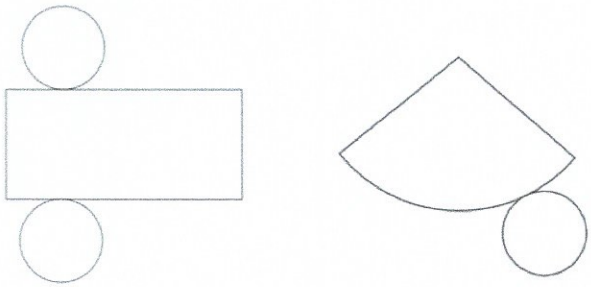
(b) Work out the total surface area of the cuboid.

4 + 4 + 6 + 6 + 24 + 24

68 .....cm²

(2)

14. Below are the nets of two solid shapes.



A B

(a) Write down the shape that is made from Net A.

Cylinder

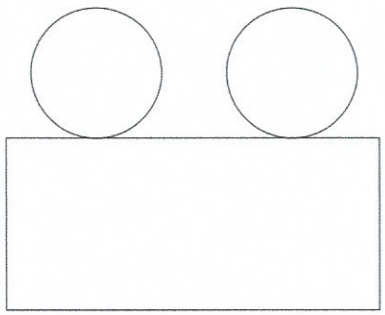
(1)

(b) Write down the shape that is made from Net B.

Cone

(1)

Christopher wants to make a solid shape and drew this shape.

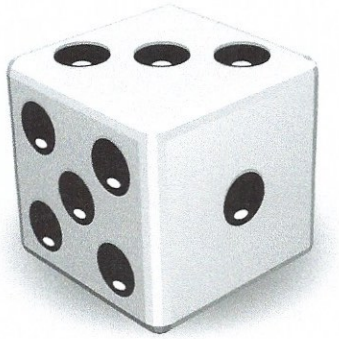


Explain why this shape is not a correct net.

The circles cannot be on the same side of the rectangle.

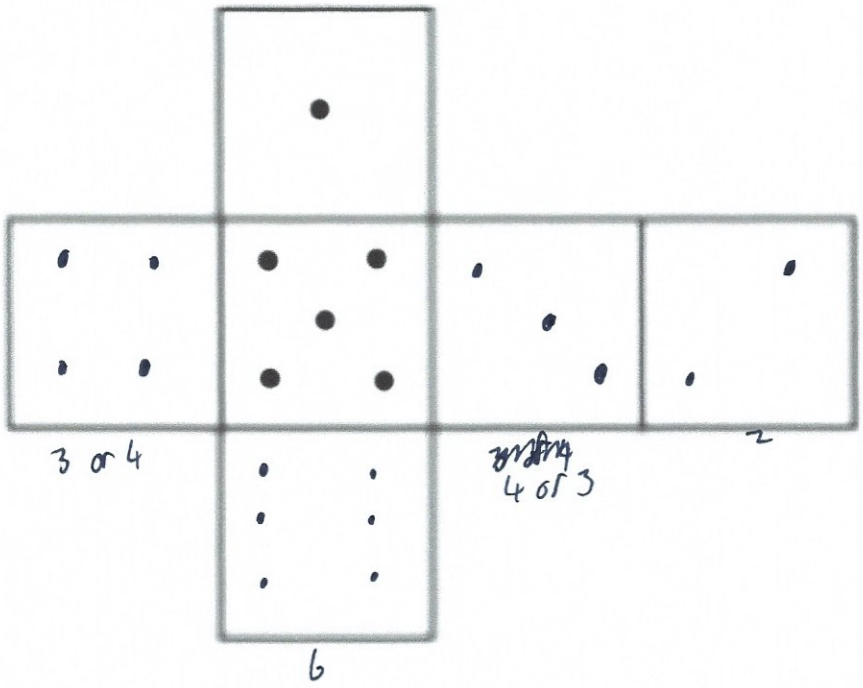
(1)

15. Shown is the view of a dice.



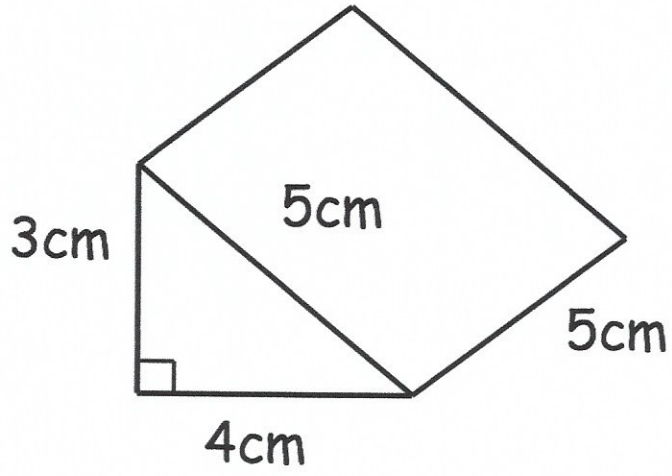
The number of dots on the opposite faces add to 7.

Fill in the missing faces.

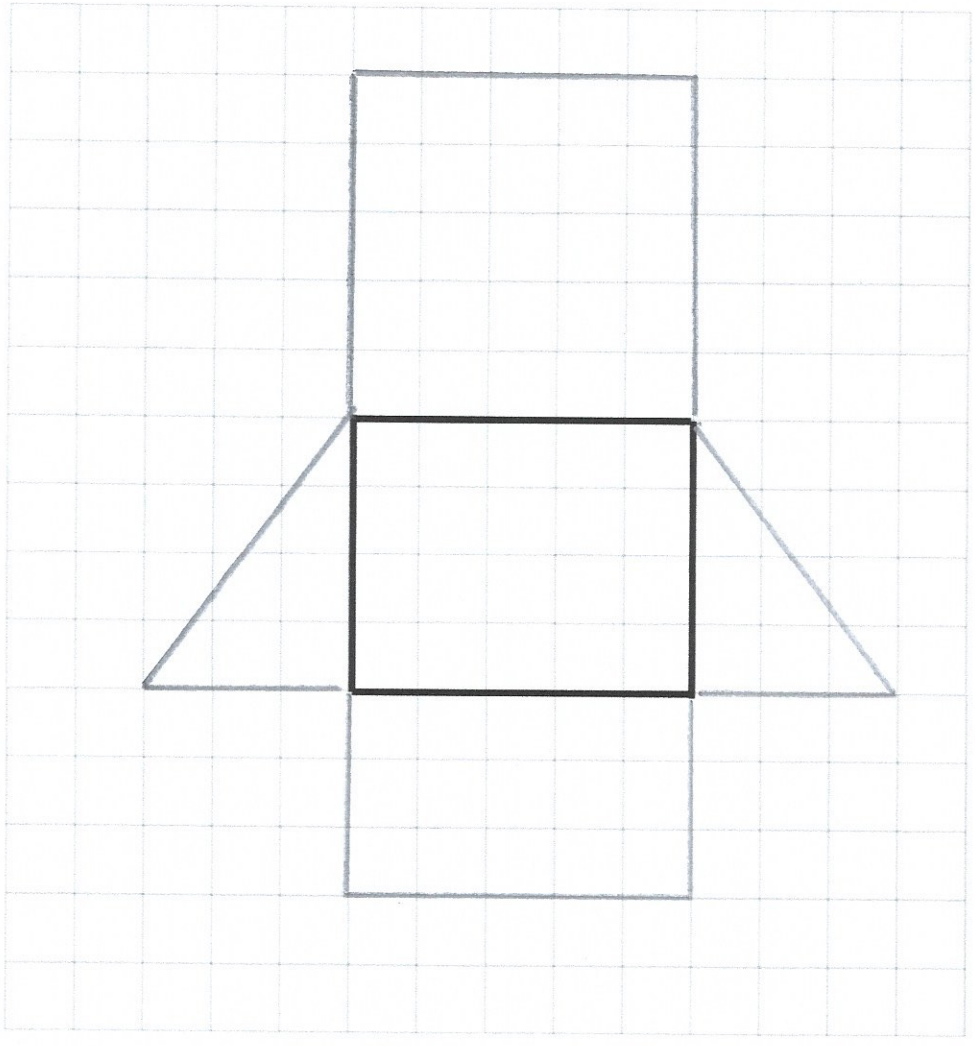


(2)

16. Shown below is a triangular prism.

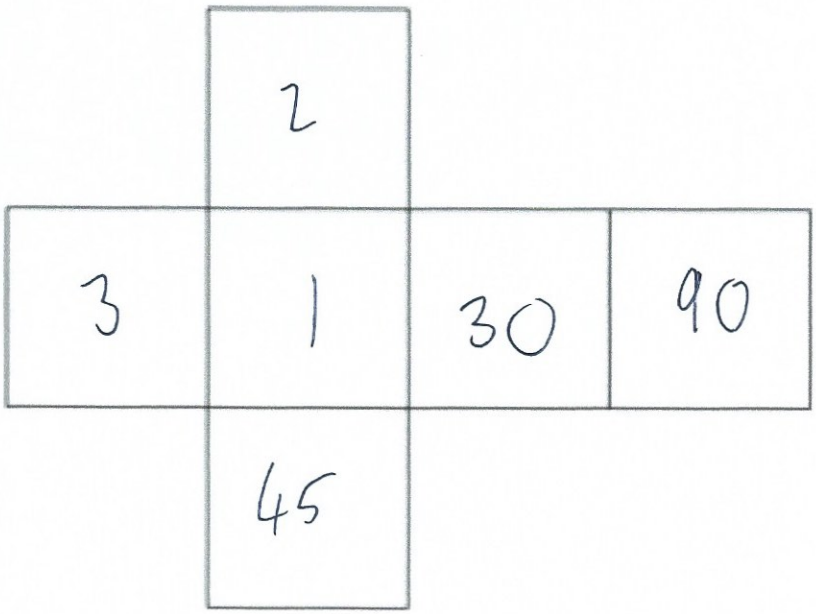


Complete the net of the triangular prism on the centimetre square grid below.



(3)

17. Here is a net of a cube.



Write 6 different numbers on the faces so that the number on the opposite faces of the cube have a product of 90

(3)