

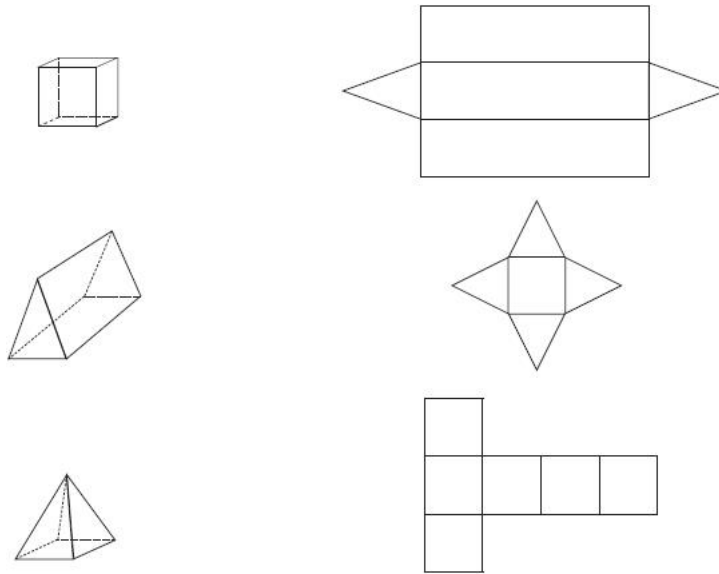
Geometrical Shapes

Q1.

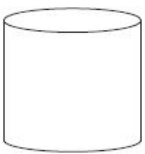
(a) Match each 3-D shape to the correct net.

Draw lines to show your answers.

(2)



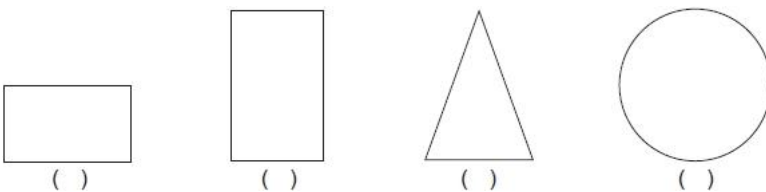
Here is a cylinder.



(b) Which one of the shapes below could be the plan view of this cylinder?

Tick the correct shape.

(1)



(Total for question = 3 marks)

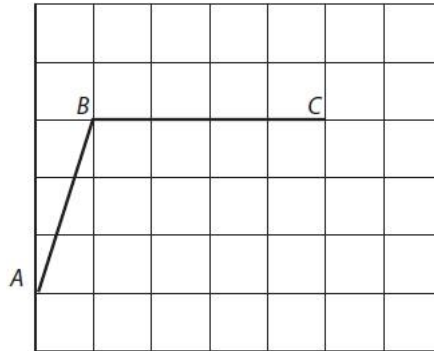
Geometrical Shapes

Q2.

Karen is a cake designer.

She is designing different shaped cakes.

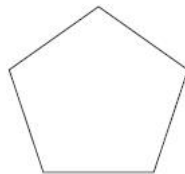
AB and BC are two sides of a parallelogram.



(a) On the grid, complete the parallelogram.

(1)

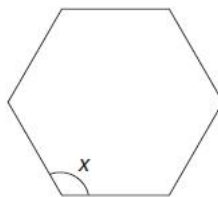
Here is a regular pentagon.



(b) Draw all the lines of symmetry on this pentagon.

(1)

Here is a regular hexagon.



(c) What type of angle is angle x ?

Tick the correct answer.

(1)

right angle

acute angle

reflex angle

obtuse angle

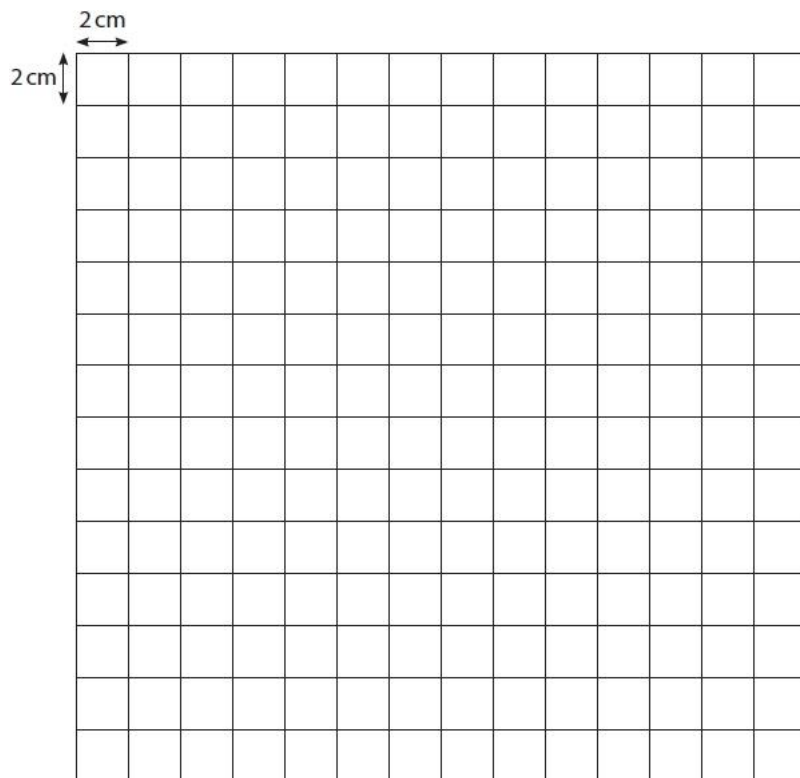
Geometrical Shapes

Karen is making a birthday cake.

The top of the cake needs to be triangular with one side length 10 cm, one side length 12 cm and a 90° angle between these sides.

(d) Draw the top of the cake for Karen.
Use the grid below to draw the top of the cake.

(3)

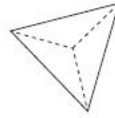
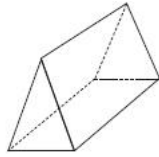
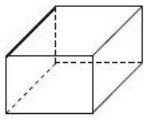


(Total for question = 6 marks)

Geometrical Shapes

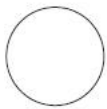
Q3.

Josh is designing gift boxes.
He designs these boxes.



Josh needs to know the shape of the boxes from different views.

shape 1



shape 2



shape 3



shape 4



Place the correct numbers in the space to complete the sentences.

(a) Shape is the plan view of the cylinder.

(1)

(b) Shape is the front view of the triangular prism.

(1)

(c) The triangular based pyramid has faces,
..... edges and
..... vertices.

(1)

(Total for question = 3 marks)

Geometrical Shapes

Q4.

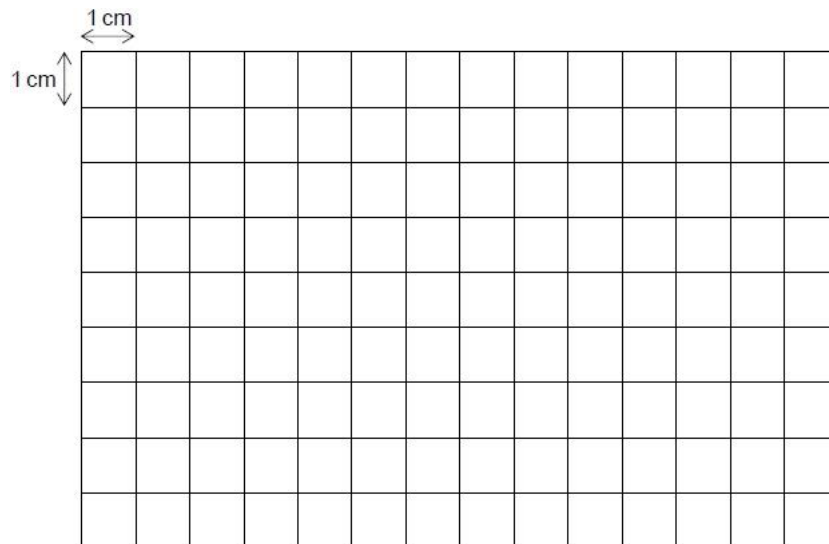
Chris is designing a badge.

The badge needs to

- be in the shape of a trapezium
- have a base of length 6cm
- have only one line of symmetry.

Draw a suitable badge.

Use the grid below to draw a badge.



(3)

(Total for question = 3 marks)

Geometrical Shapes

Q5.

Gordon buys a new slide for his garden.

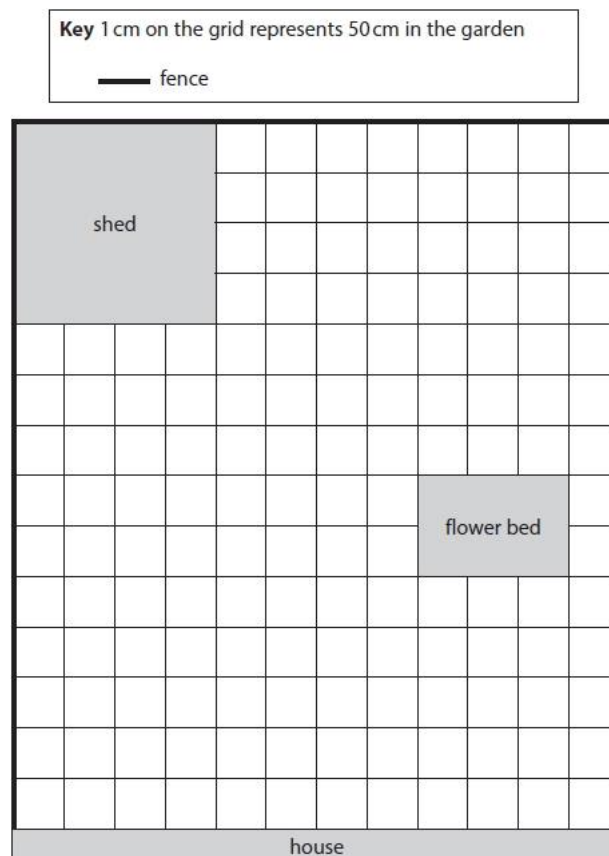
His garden measures 6 m by 7 m.

The space for the slide must be

- a rectangle, 3 m by 1.5 m
- at least 2 m away from the house
- at least 0.5 m away from a fence or any other feature.

Draw a space for the slide on the square grid below.

(3)

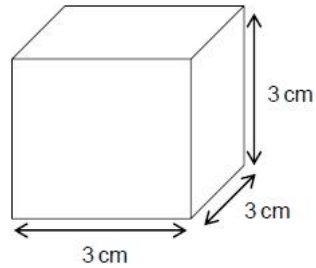


(Total for question = 3 marks)

Geometrical Shapes

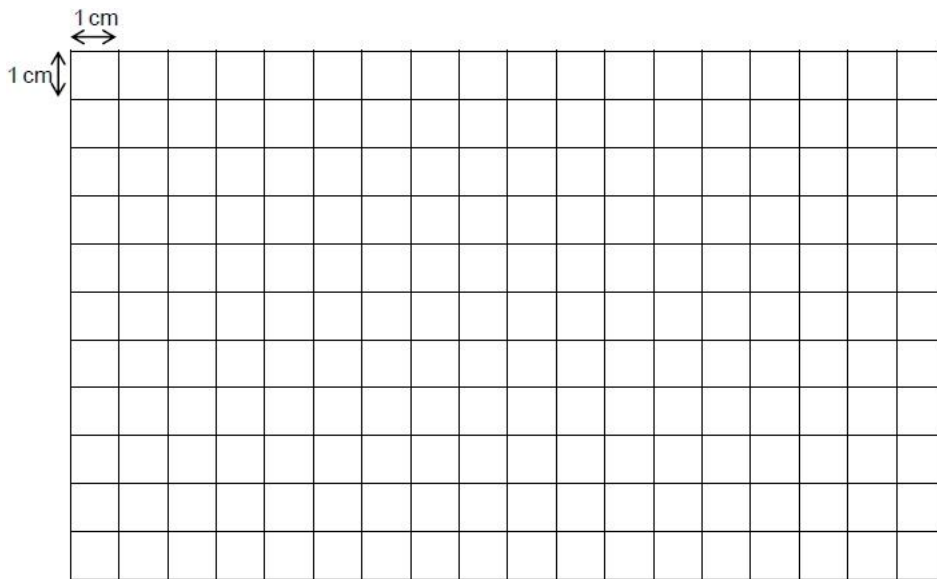
Q6.

Here is a cube of side length 3 cm.



Draw a net of the cube.

Use the grid below to draw your net.



(3)

(Total for question = 3 marks)