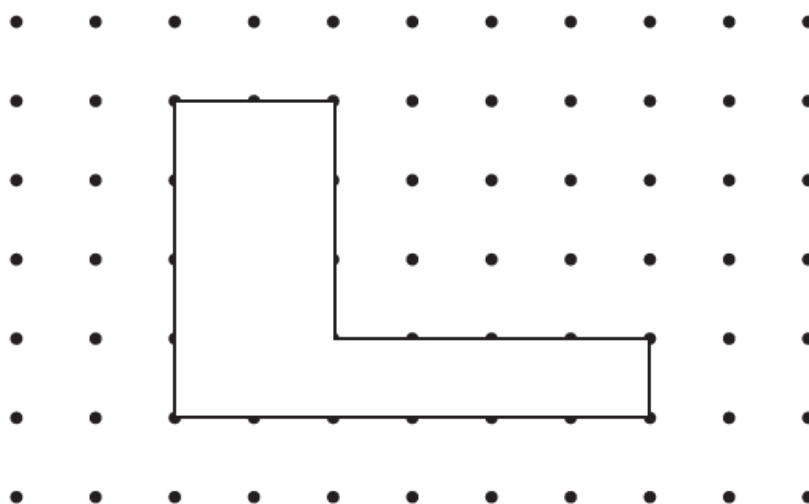


**Angles and Shape – Checkpoint Primary Math**

1.

Here is a compound shape drawn on a 1 cm square dotted grid.



(a) Calculate the perimeter of the shape.

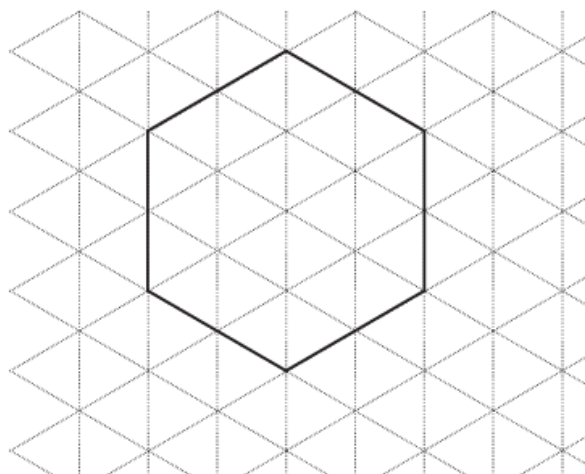
..... cm [1]

(b) Calculate the area of the shape.

..... cm<sup>2</sup> [1]

2.

Draw **three** lines to complete this sketch of a cube.



[1]

3.

Oliver draws some angles on a Carroll diagram.

Complete both labels on the diagram to describe the angles.

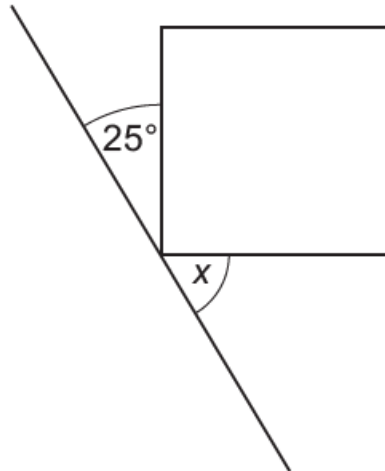
| ..... | Not ..... |
|-------|-----------|
|       |           |

[1]

4.

Here is a diagram with a square and a straight line.  
The square touches the straight line.

Calculate the size of angle  $x$ .

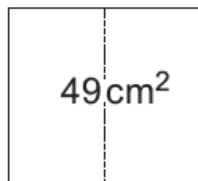


Not drawn to scale

.....  $^\circ$  [1]

5.

Samira has a square piece of paper with an area of  $49\text{ cm}^2$ .



Not drawn to scale

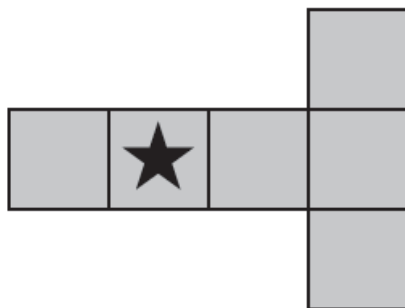
Samira cuts the square piece of paper exactly in half along the dotted line. She makes two rectangles.

Calculate the perimeter of **one** of the rectangles.

..... cm [2]

6.

Mia makes a cube from this net.

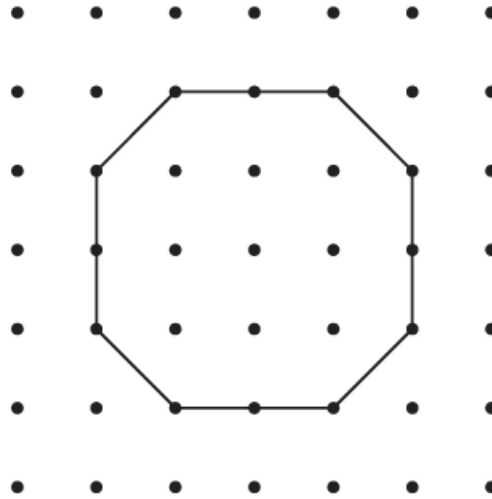


Tick (✓) the face that is opposite the star when the cube is made.

[1]

7.

Here is an octagon.



Anastasia draws **two** straight lines inside the octagon to make two triangles and a third shape.

Both lines start and finish at a vertex.

The lines do **not** cross.

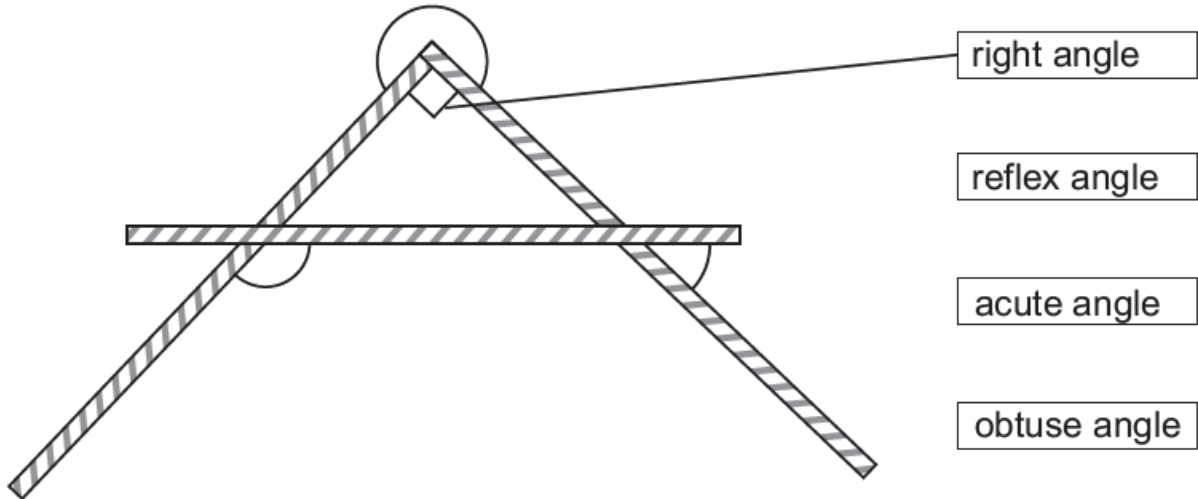
Write the name of the third shape Anastasia makes inside the octagon.

..... [1]

8.

Ahmed arranges straws on his desk to make four different angles.  
The angles are marked on the diagram.

Draw a line to match each angle to the correct description.  
One has been done for you.



[1]

9.

Naomi has 100 square tiles.  
She uses all of her tiles to make two squares.

Write the number of tiles in each of her squares.

..... tiles  
..... tiles [1]