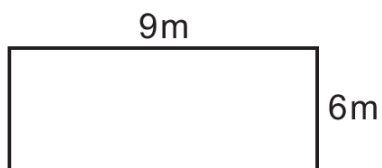


2D and 3D Shapes– Checkpoint Primary Math

1.

Here is a rectangle.



Not drawn to scale

Calculate the area of the rectangle.

..... m^2 [1]

2.

Yuri says,



All 3-sided shapes are triangles.

Draw a shape to show that Yuri is **not** correct.

[1]

3.

Here is some information about a 3D shape.

It has 8 vertices.

It has 12 edges.

It has 6 faces.

Write the name of **two** different 3D shapes this information could describe.

.....

.....

[1]

4.

Ahmed draws a shape with straight sides on a piece of paper.

He places a mirror along one side of his shape.

He reflects the shape in the mirror.

The complete shape he sees is a rhombus.

Tick (✓) the name of the shape Ahmed draws.

scalene triangle

☐

isosceles triangle

☐

rhombus

☐

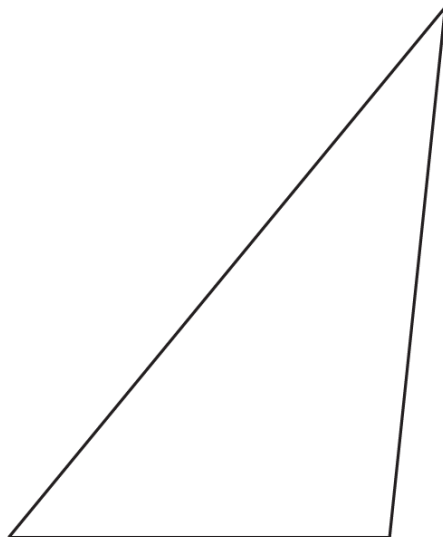
square

☐

[1]

5.

Here is a triangle.

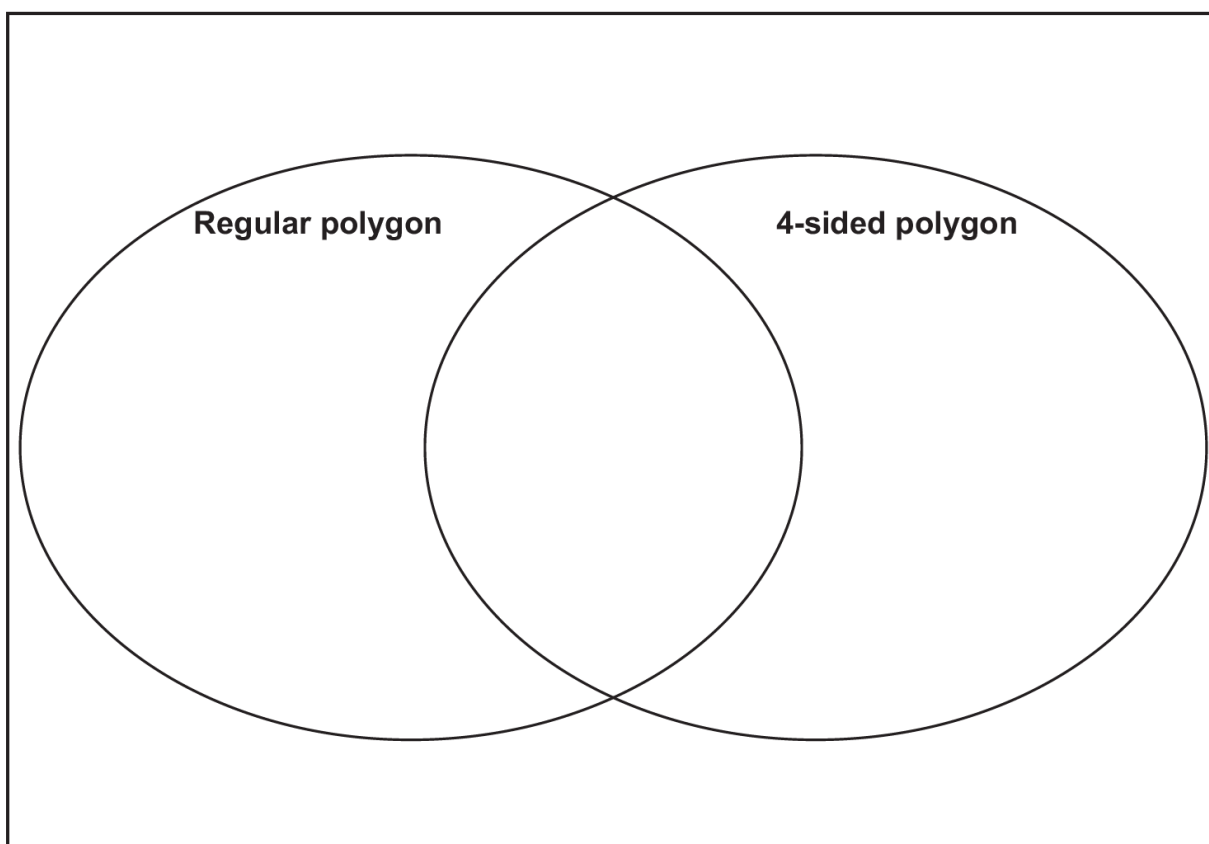


Measure the perimeter of the triangle.

perimeter = ... cm [1]

6.

Here is a Venn diagram.

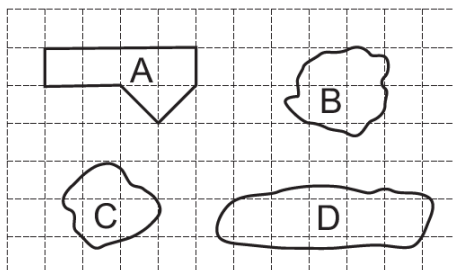


Draw a correct polygon in each of the **four sections** of the Venn diagram.

[2]

7.

Here are some shapes drawn on a grid of squares.
Each shape is labelled with a letter.



Eva arranges the shapes in order of size, starting with the smallest area.

Write the letter of each shape in the correct place.

.....
smallest area

.....

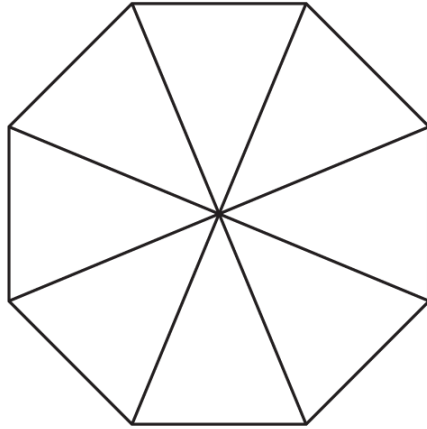
.....

.....
largest area

[1]

8.

Yuri draws four lines of symmetry on a regular octagon.



Yuri says,



A regular octagon has exactly 4 lines of symmetry.

Yuri is **not** correct.

Draw **all** the other lines of symmetry on the regular octagon to show Yuri the correct answer.

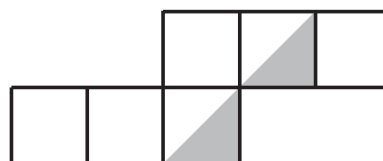
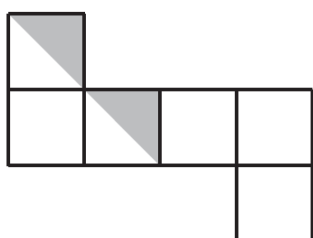
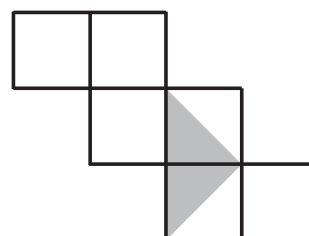
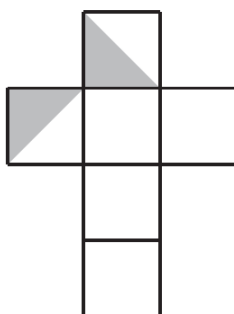
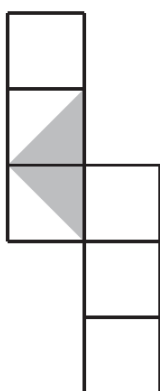
[1]

9.

Here is a drawing of a cube.



Tick (✓) all the possible nets of the cube.



[1]