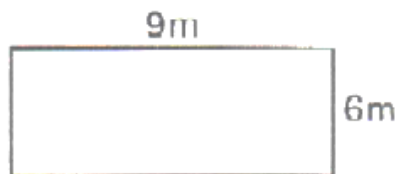


2D and 3D Shapes– 2024 Checkpoint Primary Math

1. 2024/Paper 1_stage 4/No.3

Here is a rectangle.



Not drawn to scale

Calculate the area of the rectangle

$$\begin{aligned}
 \text{Area of a rectangle} &= L \times w \\
 &= 9 \times 6 \\
 &= 54 \text{ m}^2
 \end{aligned}$$

..... **54** m² [1]

2. 2024/Paper 1_stage 4/No.9

Yuri says,



All 3-sided shapes are triangles.

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

Sector of a circle

[1]

3. 2024/Paper 1_stage 4/No.23

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.

Cube

Cuboid

[1]

4. 2024/Paper 1_stage 4/No.27

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

☐

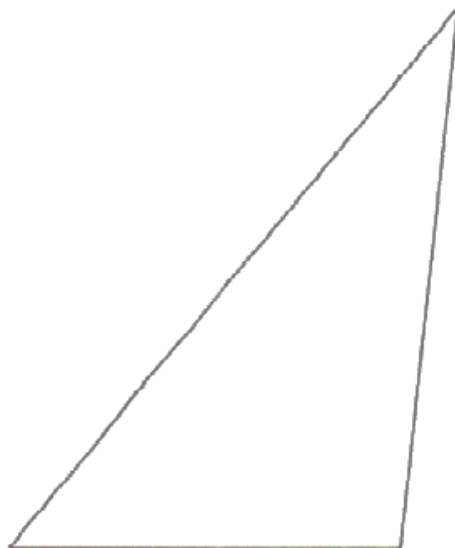
square

☐

[1]

5. 2024/Paper 2_stage 4/No.3

Here is a triangle.



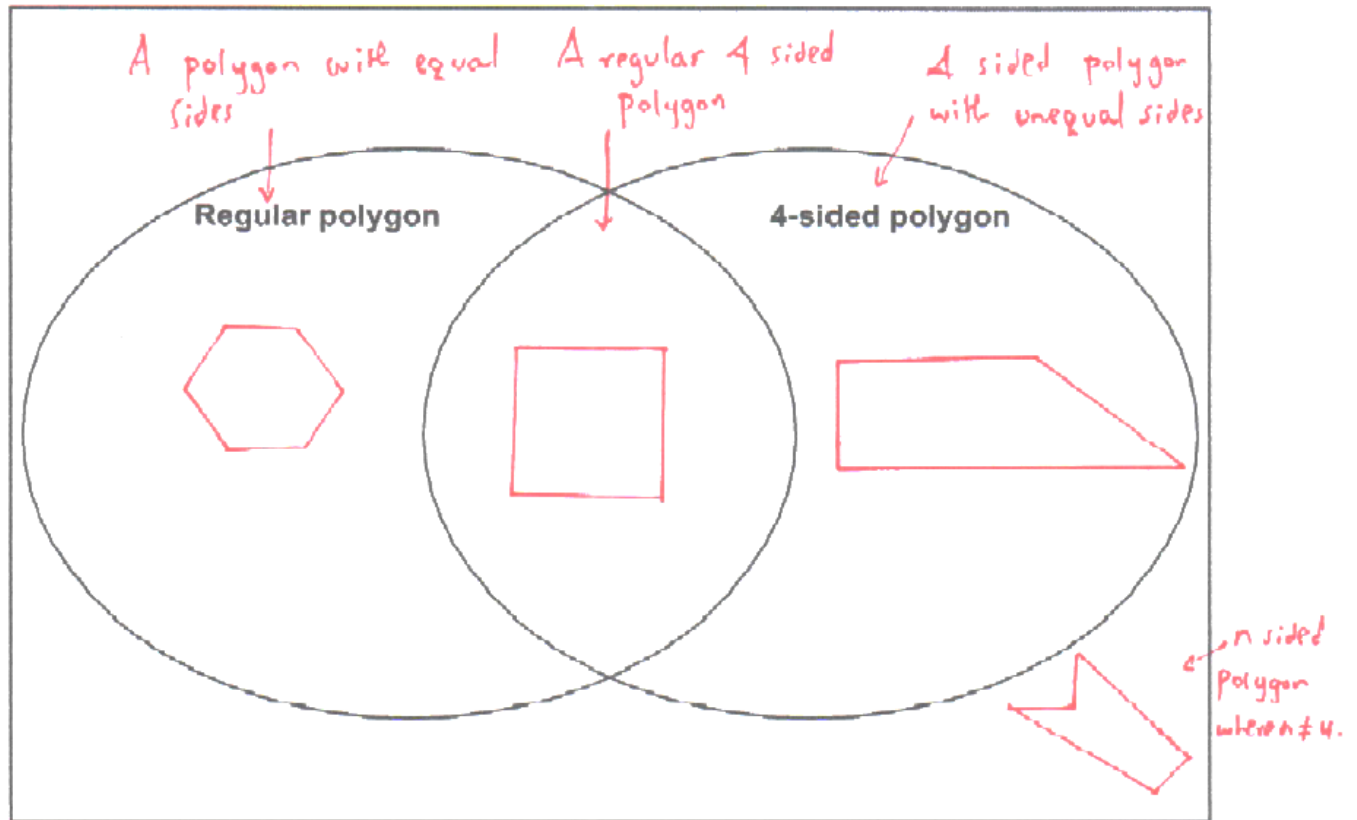
Measure the perimeter of the triangle.

Perimeter is the distance all round.

perimeter = ... *21* cm [1]

6. 2024/Paper 2_stage 4/No.11

Here is a Venn diagram.

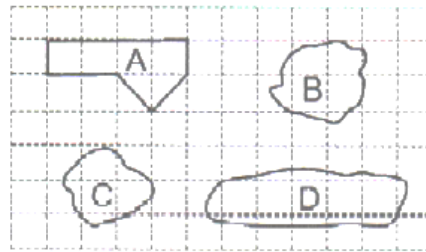


Draw a correct polygon in each of the four sections of the Venn diagram.

[2]

7. 2024/Paper 2_stage 4/No.16

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



$A = \text{full squares} = 4$
 $B = \text{full squares} = 1$
 $C = \text{full squares} = 1$
 $D = \text{full squares} = 3$

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

Write the letter of each shape in the correct place.

(consider full squares of each shape)

C

 smallest area

B

A

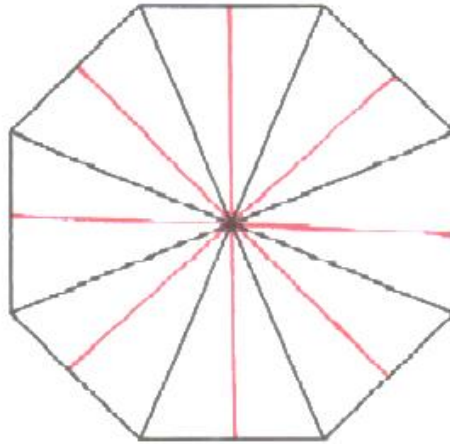
D

 largest area

[1]

8. 2024/Paper 2_stage 4/No.18

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.

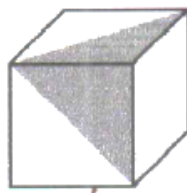
Draw **all** the other lines of symmetry on the regular octagon to show Yuri the correct answer.

4 lines through the centre of the Octagon.

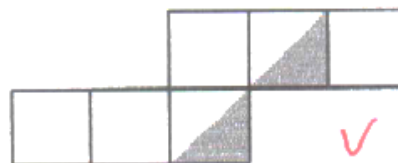
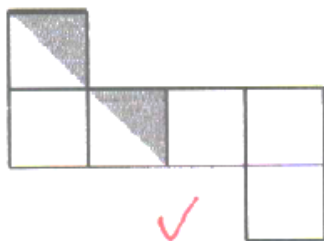
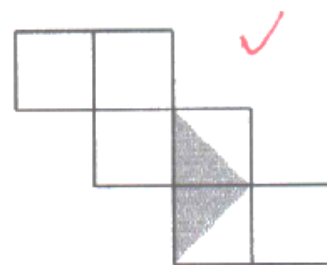
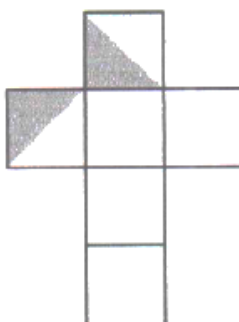
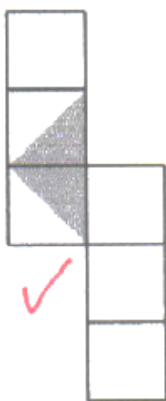
[1]

9. 2024/Paper 2_stage 4/No.26

Here is a drawing of a cube.



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



[1]