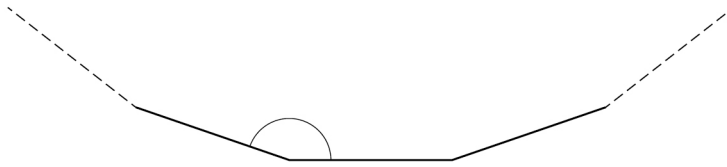


1

Part of a regular polygon with 15 sides is shown.

Not drawn
accurately



Work out the size of an **interior** angle.

[2 marks]

Answer _____ degrees

AB , BC and CD are sides of a regular 12-sided polygon.
 $CDMN$ is a square.

[4 marks]

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on its right side, suggesting it's resting on a surface.

- 3 (a) Part of a regular polygon is shown.



Not drawn
accurately

Assume that the polygon is an octagon.

Work out the size of an **exterior** angle.

[2 marks]

Answer _____ °

- 3 (b) In fact, the polygon has **more** sides than an octagon.

What does this mean about the size of an exterior angle?

Tick **one** box.

[1 mark]

☐

It is more than the answer to part (a)

☐

It is the same as the answer to part (a)

☐

It is less than the answer to part (a)

☐

It could be any of the above