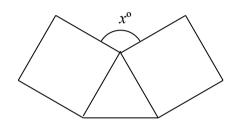


POLYGONS

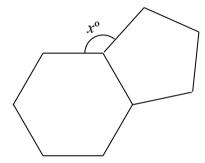
MULTI-STEP PROBLEMS

Ref: G424.4C1

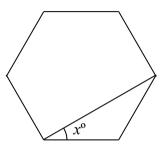
A1 The diagram shows an equilateral triangle and two squares.



A2 The diagram shows a regular pentagon and a regular hexagon.



A3 The diagram shows a regular hexagon.

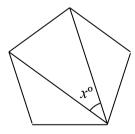


Work out the value of x.

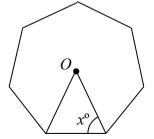
Work out the value of x.

Find the value of *x*. Show clear working out.

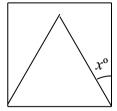
B1 The diagram shows a regular pentagon.



B2 The diagram shows a regular heptagon with centre *O*.



B3 The diagram shows an equilateral triangle inside a square.



Find the value of *x*. Show clear working out.

Work out the value of x.

Work out the value of *x*.

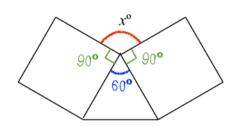


POLYGONS

MULTI-STEP PROBLEMS

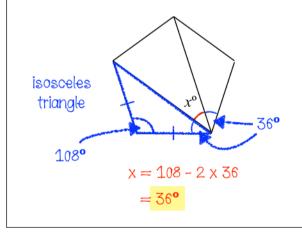
Ref: G424.**4C1**

A1 The diagram shows an equilateral triangle and two squares.

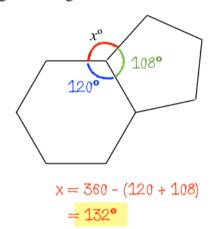


$$x = 360 - (90 + 60 + 90)$$
$$= 120^{\circ}$$

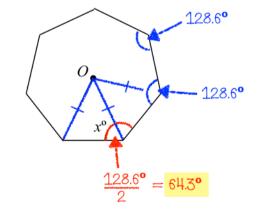
B1 The diagram shows a regular pentagon.



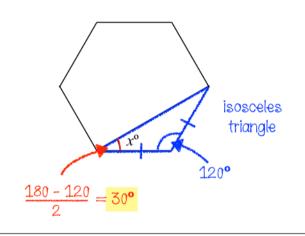
A2 The diagram shows a regular pentagon and a regular hexagon.



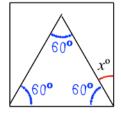
B2 The diagram shows a regular heptagon with centre *O*.



A3 The diagram shows a regular hexagon.



B3 The diagram shows an equilateral triangle inside a square.



$$x = 90 - 60$$
$$= 30^{\circ}$$