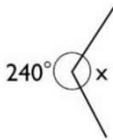
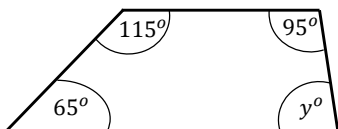
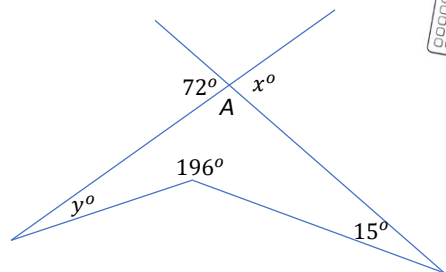


Work out the size of and  $x$ 

$$360 - 240 = 120$$

Value of  $x$  is  $120^\circ$ Work out the size of and  $y$ 

$$360 - 115 - 95 - 65 = 85$$

Value of  $y$  is  $85^\circ$ Find the values of  $x$  and  $y$ .Value of  $x$  is  $72^\circ$ 

$$180 - 72 = 108$$

$$A = 108$$

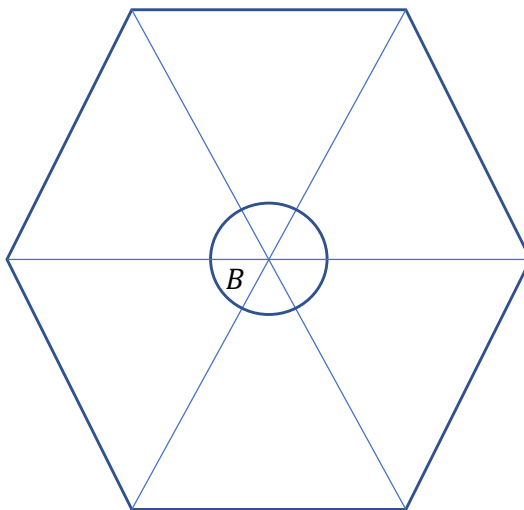
$$360 - 196 - 15 - 108 = 41$$

Value of  $x$  is  $72^\circ$  Value of  $y$  is  $41^\circ$ 

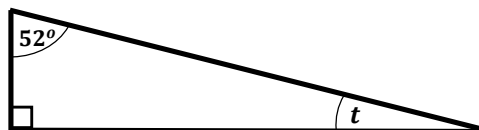
Diagram shows a regular polygon.



What is the size of Angle B?

Each of the 6 angles at the centre is the same and they add up to  $360^\circ$ .

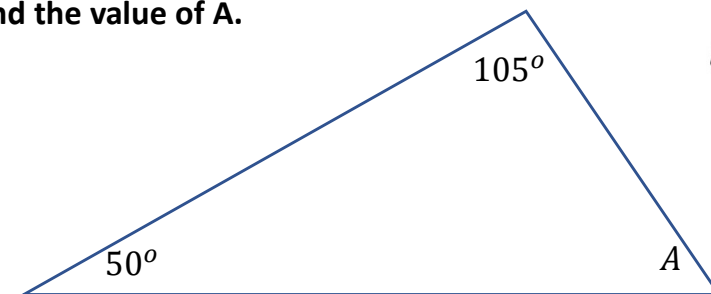
$$360^\circ \div 6 = 60^\circ$$

Value of  $B$  is  $60^\circ$ Find the value of the angle marked  $t$ 

$$180 - 90 - 52 = 38$$

Value of  $t$  is  $38^\circ$ 

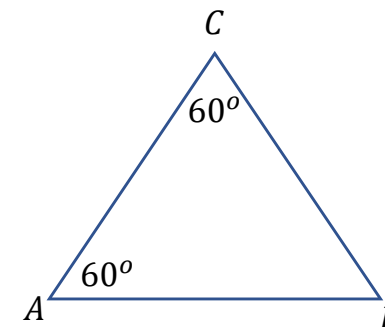
Find the value of A.



$$180 - 105 - 50 = 25$$

Value of  $A$  is  $25^\circ$ 

If AC is 25cm long. What is the perimeter of this triangle?

The missing angle is also  $60^\circ$ . This means it is an equilateral triangle, and therefore all three sides are the same length.

$$25 \times 3 = 75$$

Perimeter = 75 cm