



The sum of the interior angles in a polygon is  $7380^\circ$

Calculate the number of sides the polygon has.

$$(n-2) \times 180$$

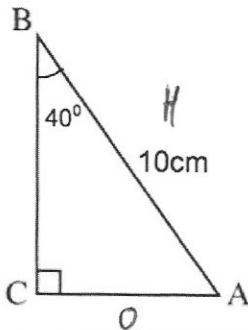
$$7380 \div 180 = 41$$

$$41 + 2 = 43 \text{ sides}$$

Solve  $x^2 - 3x - 10 = 0$

$$(x-5)(x+2) = 0$$

$$x = 5 \text{ or } x = -2$$



Find the size of AC.

$$\sin(40) \times 10$$

$$= 6.4279 \text{ cm}$$

$$= 6.43 \text{ cm to 2 dp.}$$

The number of visitors to a museum fell by 8% from March to April. In April, 51520 people visited the museum.

How many people visited the museum in March?

$x$

$$92\% \text{ of } x = 51520$$

$$1\% \text{ of } x = 560$$

$$100\% \text{ of } x = \underline{\underline{56000}}$$

Work out

$$3^4 \times 9^{-2}$$

$$3^4 = 81$$

$$9^{-2} = \frac{1}{81}$$

$$81 \times \frac{1}{81} = 1$$