



The population of a country is 9.08×10^5

Write the population of the country as an ordinary number.

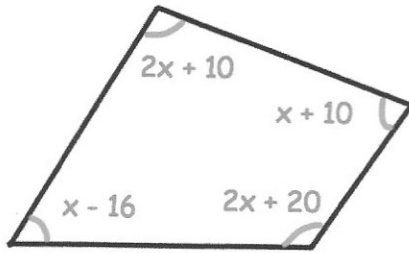
908000

Last year the population was 2% less.

Work out the population last year

$$908000 \times 0.98$$

889840

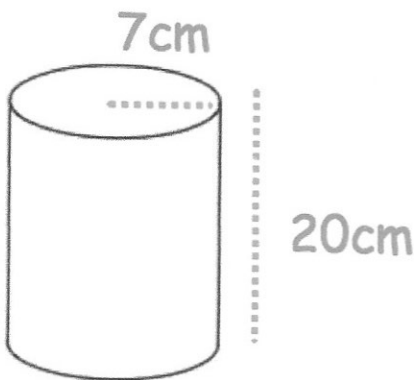


Find x

$$6x + 24 = 360$$

$$6x = 336$$

$$x = 56^\circ$$



Each flowerpot is a cylinder with radius 7cm and height 20cm.

Carl has 50 litres of soil.

How many flowerpots can be filled?

$$\text{Volume of 1 flowerpot} = 3.078 \text{ L}$$

$$50 \div 3.078 \dots = 16.24 \dots$$

Carl is filling flowerpots with soil.

$$\begin{aligned} V &= \pi r^2 h \\ &= \pi \times 7^2 \times 20 \\ &= 3078.76 \text{ cm}^3 \end{aligned}$$

16

Work out $2^{-3} \div 3^{-2}$

$$\frac{1}{2^3} = \frac{1}{8}$$

$$\frac{1}{3^2} = \frac{1}{9}$$

$$\frac{1}{8} \div \frac{1}{9}$$

$$\frac{1}{8} \times \frac{9}{1} = \frac{9}{8}$$

$1\frac{1}{8}$