

5th May



Corbettmaths

The price (P, in £) of hiring a car is $P = 20d + 50$, where d is the number of days.

Rearrange the formula to make d the subject

$$P - 50 = 20d$$

$$d = \frac{P - 50}{20}$$

Use your formula to find how many days a car was hired for if the final price is £370

$$\begin{aligned} d &= \frac{370 - 50}{20} \\ &= \frac{320}{20} = 16 \end{aligned}$$

The three angles in a triangle are $2x$, $x + 5$ and $x + 35$.

Find x

$$\begin{aligned} 4x + 40 &= 180 \\ 4x &= 140 \\ x &= 35 \end{aligned}$$

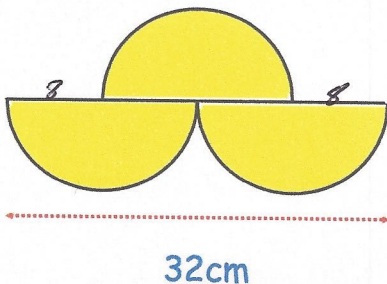
Work out

$$10^{-2}$$

Give your answer as a decimal.

$$\frac{1}{10^2} = \frac{1}{100}$$

$$0.01$$



Shown is a shape made from semi-circles.

Find the perimeter.

$$(\pi \times 16) \div 2 = 25.132\dots$$

$$25.132\dots \times 3 = 75.398\dots$$

$$75.398 + 16 = 91.4 \text{ cm}$$

$$\begin{aligned} 32 \div 4 &= 8 \\ r &= 8 \end{aligned}$$