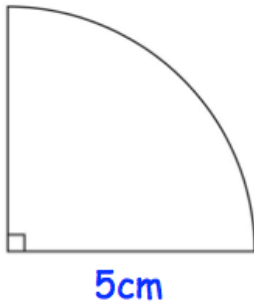


2nd August

Corbettmaths



Calculate the area of this quarter circle

The time, T , taken to serve the guests at a wedding is inversely proportional to the number of waiters, w .

Explain why.

The time is calculated by

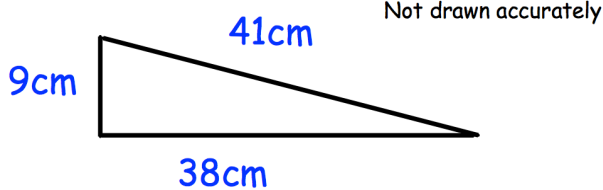
$$T = \frac{300}{w}$$

Work out how long it would serve the guests if there were 45 waiters.

The density of Nitrogen is

$$1.25 \times 10^{-6} \text{ kg/cm}^3$$

Calculate the mass of one cubic metre of Nitrogen.



Is this triangle a right angled triangle?