

# Question of the day

Day 14



On a plane,  $\frac{2}{5}$  of the passengers were British.

30% of the British passengers were men.  
There were 36 British men on the plane.

Find the total number of passengers on the plane.

$$\text{British } \frac{2}{5} = \frac{4}{10} = \frac{40}{100} \quad 40\% \text{ or } 0.4$$

$$\text{Not British} = 60\%$$

$$30\% \text{ (0.3) of British are men}$$
$$0.4 \times 0.3 = 0.12 \text{ so } 12\% \text{ are British men}$$

$$\begin{array}{l} \div 12 \left( \begin{array}{l} 12\% = 36 \text{ people} \\ 1\% = 3 \text{ people} \end{array} \right) \div 12 \\ \times 100 \left( \begin{array}{l} 100\% = 300 \text{ people} \end{array} \right) \times 100 \end{array}$$

..... 300 ..... [5]

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