

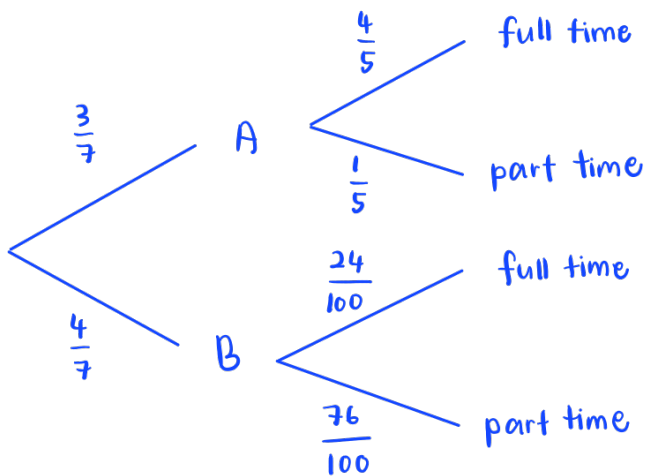
1 The people working for a company work in Team A or in Team B.

number of people in Team A: number of people in Team B = 3:4

$\frac{4}{5}$ of Team A work full time.

24% of Team B work full time.

Work out what fraction of the people working for the company work full time.
Give your fraction in its simplest form.



$$\begin{aligned} \text{Team A full time} &= \frac{3}{7} \times \frac{4}{5} \\ &= \frac{12}{35} \quad \textcircled{1} \end{aligned}$$

$$\begin{aligned} \text{Team B full time} &= \frac{4}{7} \times \frac{24}{100} \\ &= \frac{24}{175} \quad \textcircled{1} \end{aligned}$$

$$\text{Total people working full time} = \frac{12}{35} + \frac{24}{175} = \frac{12}{25} \quad \textcircled{1}$$

$$\frac{12}{25} \quad \textcircled{1}$$

(Total for Question 1 is 3 marks)