12. Of one hundred (100) people in a sports club, 40% are male. A recent survey showed that 10% of the males and 15% of the females play tennis.

(i) Find the probability that a person chosen at random from the group is male and plays tennis.

(ii) Find the probability that a person chosen at random from the group plays tennis.

(iii) Find the probability that the person chosen is female **or** plays tennis.

	club	tennis
male	40	4
female	60	9

(i) $P(\text{male \& tennis}) = \frac{4}{100} = \frac{1}{25}$

(ii) $P(\text{tennis}) = \frac{13}{100}$

(iii) $P(\text{female or tennis}) = \frac{64}{100} = \frac{16}{25}$