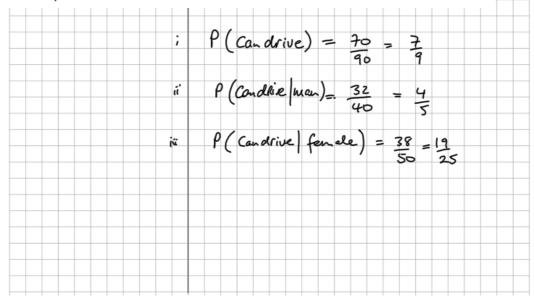
- **2.** The table shows information about a group of adults.
- Can drive
 Cannot drive

 Male
 32
 8
 40

 Female
 38
 12
 50

 can drive?
 70
 20
 90
- (i) A person is chosen at random from the group.
 - What is the probability that the person can drive?
- (ii) A man in the group is chosen at random. What is the probability that he can drive?
- (iii) Find the probability that a person chosen at random can drive, given that the person is a female.

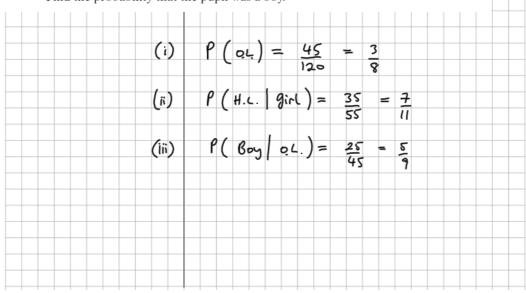


4. A school enters 120 pupils for the Junior Certificate maths exam.

The given table shows the details of the entries.

		Ordinary	Higher	
	Girls	20	35	55
	Boys	25	40	65
		LLC.	20	100

- (i) Write down the probability that a pupil chosen at random is entered for Ordinary level.
- (ii) A pupil is chosen at random. This pupil is a girl.Find the probability that the girl was entered for Higher level.
- (iii) A pupil is chosen at random. The pupil was entered for Ordinary level. Find the probability that the pupil was a boy.



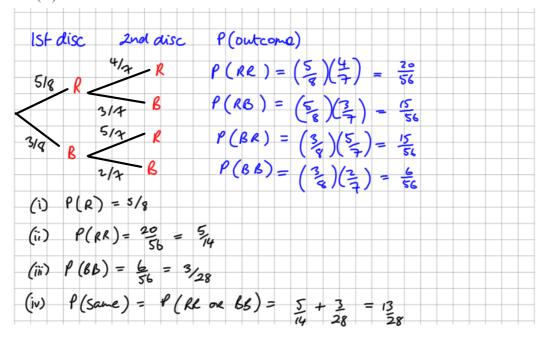
5. A bag contains 5 red discs and 3 blue discs.

A disc is taken from the bag and not replaced. A second disc is then taken from the bag. Find the probability that

- (i) the first disc is red
- (ii) the first 2 discs are red

8 Discs intotal

- (iii) the first two discs are blue
- (iv) both discs are the same colour.



20. The probabilities of events A, B and C are shown in the given Venn diagram.

Use the Venn diagram to find

- (i) P(B)
- (ii) $P(A \cap C)$
- (iii) P(A|B)
- (iv) P(C|B)
- (v) $P(A \cap C')$
- (vi) $P(B|A \cap C)$.

