

Starter:

A number of men and women were asked which was their favourite flavour of crisps. A total of twelve people said plain, of which seven were men. Six women liked salt and vinegar. Fourteen men and twelve women liked cheese and onion. There were 28 men in total.

How many people were asked altogether and how many people liked salt and vinegar crisps best?

	plain	cheese & onion	salt & vinegar	total
women				
men				
total				

In a supermarket survey 30 men and 30 women were asked whether they preferred orange juice or grapefruit juice. 22 men preferred orange. 12 women preferred grapefruit. How many people liked orange juice best?

A factory employs 12 supervisors, of which 2 are female; 14 office staff, of which 3 are male; and 120 shop floor workers, of which 38 are female.

Draw a two-way table and write down the number of female employees and the total number of employees.

I roll a dice 60 times and it lands on 6 23 times. Do you think that this is a fair dice?

If I roll the same dice 180 times how many times do you think it will land on 6?

Relative frequency is the use of experimental data to estimate the probability of an event occurring.

Usain Bolt runs 25 races and wins 20 of them.
What is the probability that he wins a race?



If he runs 10 more races, how many will he win?

If BMX Billy tries to do 80 tricks and falls of his bike 20 times, what is his probability of falling off?



If he does 20 more tricks how many of these will he not fall off on?

If the probability of a lion catching an antelope is 0.7, how many antelope will the lion catch if he chases 20?



Now work through exercise 5G and 5H
on pages 131 and 132 of the unit 1
textbook

