1 There are 12 boys and 15 girls in a class.
One boy and one girl will be selected to represent the class on the student council.
Work out the total number of ways of choosing a boy and a girl.
(2 marks)
2 There are 17 boys and 14 girls in a choir.
One boy and one girl will be selected to sing a duet.
Work out the total number of ways of choosing a boy and a girl.
(2 marks)

3 There are 14 boys and $x$ girls in a choir.
One boy and one girl will be selected to sing a duet.
Taylor says there are 152 different ways of choosing a boy and a girl.
Could Taylor be correct?
You must show your working.
(2 marks)
4 There are 5 starters and 6 main courses in a restaurant.
Work out the total number of ways of choosing a starter and a main course.
(2 marks)
5 There are 4 starters, 7 main courses and 4 desserts in a restaurant.
Work out the total number of ways of choosing a starter, a main course and a dessert.
(2 marks)

6 There are 5 starters, 6 main courses and $x$ desserts in a restaurant.
Riley says there are 130 different ways of choosing a starter, a main course and a dessert.
Could Riley be correct?
You must show your working.

7 A meal deal includes a sandwich and a drink.
There are 5 sandwiches and 7 drinks to choose from.
Work out the total number of ways of choosing a sandwich and a drink.
(2 marks)
8 Mr Idris has 5 pairs of trousers, 9 shirts and 3 ties.
Work out the total number of ways of choosing a pair of trousers, a shirt and a tie.
(2 marks)
9 There are 8 sandwiches and $x$ drinks to choose from for lunch.
Pat says there are 96 different ways to choose a sandwich and a drink.
Could Pat be correct?
You must show your working.
(2 marks)
10 There are 52 cards in a deck.
Peter is going to give one card to Casper and one card to Kelly.
How many different ways are there of doing this?

11 There are 52 cards in a deck.
Angel is going to give one card to Ben and one card to Chris and one card to Dylan.

How many different ways are there of doing this?
(2 marks)
12 There are 52 cards in a deck.
Tom is going to give two cards to Jay.
How many different pairs of cards could Jay get?

13 There are 30 students in a class.
Two students are going to be selected to receive a prize.
How many different pairs of students could be selected?
(2 marks)
14 There are 10 teams in a football league.
Two teams are going to be chosen at random to play a match.
Work out the number of different matches that could take place.
(2 marks)
15 There are 8 teams in a competition.
Each team will play every other team once.
Work out the total number of games played.

