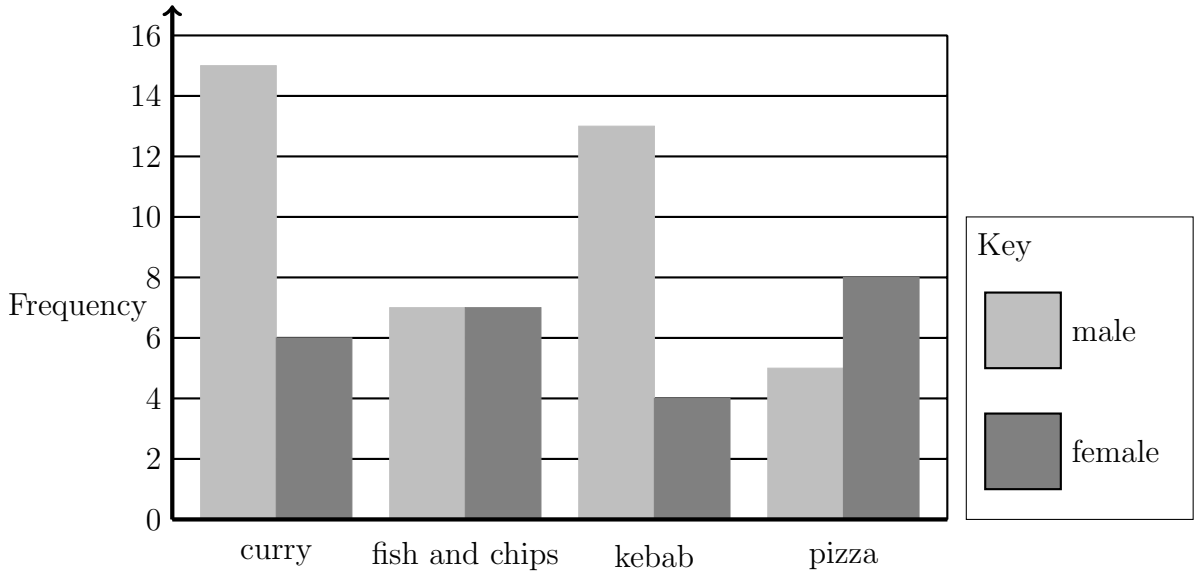
1. Marta did a survey on which take-away food the students on her course last ate.

   Every student on her course answered the survey.

   This bar chart shows the results to the survey.



   (a) One type of take-away was last eaten by the same number of male and female students. Write down this type of take-away.

   (a) .....

   (b) How many fewer female than male students last ate a take-away kebab?

   (b) .....

   (c) How many more male than female students are on Marta's course?

   (c) .....

2. Parker did a survey on the type of lead dog walkers used to walk their dogs.
   Here are the results of his survey for the afternoon and evening yesterday.

type of lead	afternoon	evening
extendable	9	11
harness	3	5
none	7	2
short	5	14

   Parker didn't see any of the same dogs in the afternoon and the evening.

   (a) How many dogs did Parker see taken for walks with a harness?

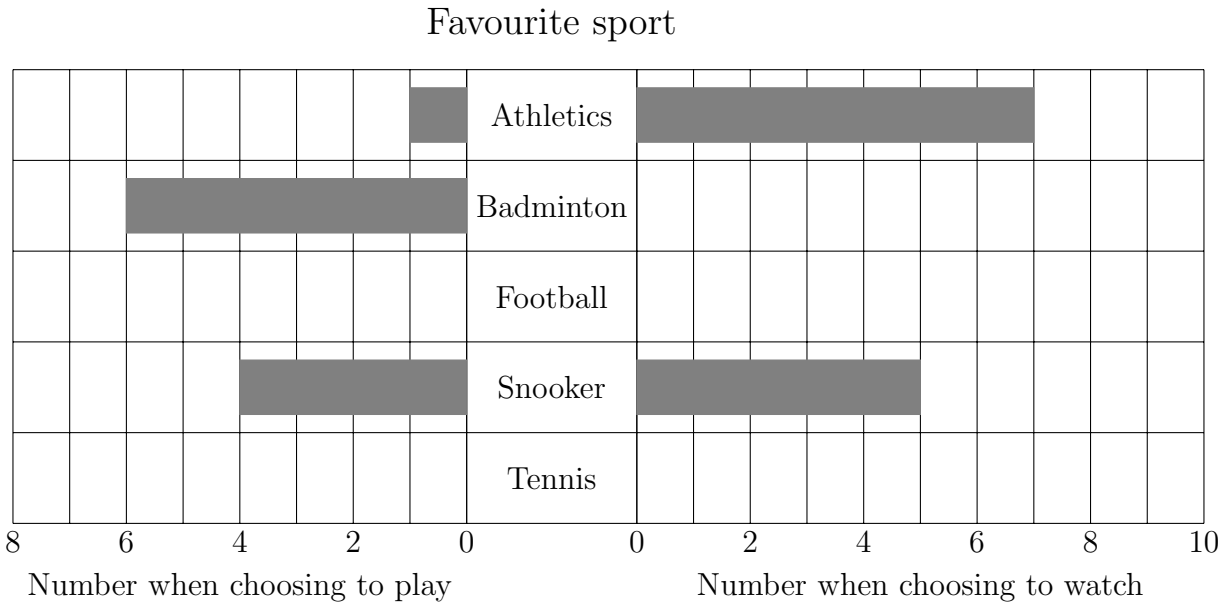
   (a) .....

   (b) How many more dogs did Parker see taken for a walk in the evening than the afternoon?

   (b) .....

3. Some people were asked "What is your favourite sport to play?"
and "What is your favourite sport to watch?"

Here is an incomplete back to back bar chart of the survey results.



0 people said their favourite sport to watch is badminton.

6 people's favourite sport to play is football.

3 people's favourite sport to play is tennis.

9 people's favourite sport to watch is football.

8 people's favourite sport to watch is tennis.

Use this information to complete the back to back bar chart.

Answers

1. (a) fish and chips

   (b) 9

   (c) 15 (allow 14 if they subtract Marta) because 40 - 25 or 26 (allowing Marta didn't answer her own survey) or list of differences +9, 0, +9, -3 OR -9, 0, -9, +3

2. (a) 8

   (b) 8 because 24 afternoon and 32 evening or list of differences +2 +2 -5 +9 OR -2 -2 +5 -9

3. 6 play, 9 watch football
   3 play, 8 watch tennis