

www.m4ths.com - Two way tables worksheet

(1) There are 100 people in an office. Some of the information is given below. Complete the table and answer the questions below.

| | Right Handed | Left Handed | Total |
|--------|--------------|-------------|-------|
| Male | | | 45 |
| Female | | 12 | |
| Total | | 21 | |

- Write down the number of men in the office
- One person is chosen at random. Find the probability it's a right handed female.
- Write down what fraction of men are left handed (simplify your answer fully)
- How many more left handed males were there than right handed females?
- Which is the modal group of the 4 groups?

(2) Some information is given about people's leisure activities below. Copy and complete the table and answer the questions below.

| | Tennis | Gym | Swimming | Total |
|----------|--------|-----|----------|-------|
| Children | | 4 | | 44 |
| Adults | 10 | | | |
| OAP's | 8 | | 17 | 50 |
| Total | 30 | 69 | 67 | |

- Which is the modal group of the 9 groups?
- What fraction of the total children go to the gym (simplify your answer)
- One person is chosen from random. Find the probability the person chosen is an adult who swims.
- One person is chosen from random. Find the probability the person chosen is NOT and adult who swims
- Which is the least popular activity for adults?
- Write out a sample space (list of outcomes for all of the possibilities from the table)

(3) 40 boys and a number of girls were asked about whether they worked or went to school. The partly complete two way table shows some information below. Study the table below and answer the questions.

| | Has a full time Job | Goes to school | Total |
|-------|---------------------|----------------|-------|
| Boys | 10 | | |
| Girls | | 8 | |
| Total | | | 50 |

- How many girls were asked in the survey?
- What percentage of the total number asked were boys who went to school?
- What fraction of the total people surveyed were girls?
- Write the number of girls who had a full time job as a decimal of the total people asked
- One person is chosen from random. Write down the probability of that person being a boy who didn't go to school.