Data collection

Maths

Miss Davies

Data collection

1. A student wants to find out what is the favorite sport of the students at their school of 2000 students by doing a survey.

a) What is meant by the population in this case?

b) Why is a sample needed?

c) Circle the suitable sample size.

 5   30   1700   2000

2. Paul wants to find out if people in his town want the council to build a new rugby ground. He asks 100 people at a rugby club.

a)   Will this give fair or biased results?

b)   How could it be improved?

3. Maria wants to survey the 300 people who are members of her gym. Describe two ways she could carry out a random sample of her gym's members.

Answers

Data collection

1. A student wants to find out what is the favorite sport of the students at their school of 2000 students by doing a survey.

a) What is meant by the population in this case? The 2000 students

b) Why is a sample needed? Would take too long to survey everyone

c) Circle the suitable sample size.

  5   30   1700   2000

2. Paul wants to find out if people in his town want the council to build a new rugby ground. He asks 100 people at a rugby club.   biased

a) Will this give fair or biased results?

b) How could it be improved?
Carry out a survey at a variety of locations

3. Maria wants to survey the 300 people who are members her gym.. Describe two ways she could carry out a random sample of her gyms members.

Put all the names in a hat and select 20+ names at random. List all the names on a numbered list and then use a random number list to select 20+ names