



Survey methods: Questionnaire

<http://topdrawer.aamt.edu.au/Statistics/Misunderstandings/Misunderstanding-samples-and-sampling/Sampling-methods>

1. Which of the following would not be a representative sample from a population of students at a school?
 - (a) randomly picking names from the entire school register
 - (b) randomly choosing five names from each year
 - (c) randomly choosing 10% of the girls from each class
 - (d) randomly choosing the first 50 children to arrive at school in the morning

2. Which technique/s is/are not representative for sampling a school?
 - (a) choosing names from a hat while blindfolded
 - (b) rolling a die and selecting students numbered with the outcome
 - (c) choosing those good at spelling
 - (d) choosing all in year 6
 - (e) choosing the first in from recess

3. Sophie wants to determine which of two exercise programs is best for year 9 students. She should:
 - (a) assign boys to one program and girls to the other
 - (b) survey the opinions of students in year 9
 - (c) look at data for the past 6 years
 - (d) randomly assign 20 students to each program

4. If you want to find out about the spelling ability of students in your class, the best way is to:
 - (a) conduct a random survey
 - (b) conduct a census
 - (c) divide the class in two subgroups
 - (d) ask all students in the school

5. Charles wanted to conduct a census of the other year 4 class concerning their participation in sport. He went to the oval after school to count the number of students from that class who were participating in the after-school athletics program.
Comment on his plan for the census.
Would you have done something different? What?
List three things you would do to carry out a census of two other classes at your year level.

