Survey methods: Questionnaire


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.