ZiloAcademy

✨ Grade 10 Maths — Data Collection & Sampling ✨

Name: Demo **Date:** 26/11/2026

1. A school of 1000 students has 250 in Year 10. For a stratified sample of 20 students, how many should be from Year 10?

2. A reporter interviews the first 20 people walking past the office. Which sampling method is this? (random, systematic, stratified, convenience or self-selected)

3. A school surveys students so each year level is represented in proportion to its size. Which sampling method is this? (random, systematic, stratified, convenience or self-selected)

4. Classify the data: the height of a student. (categorical, discrete or continuous)

5. Classify the data: a student's favourite sport. (categorical, discrete or continuous)

6. Classify the data: the time taken to run 100 m. (categorical, discrete or continuous)

7. Classify the data: a person's postcode. (categorical, discrete or continuous)

8. A school of 400 students has 160 in Year 10. For a stratified sample of 80 students, how many should be from Year 10?

9. A computer picks 50 phone numbers at random from a directory. Which sampling method is this? (random, systematic, stratified, convenience or self-selected)

10. Classify the data: the number of goals scored in a match. (categorical, discrete or continuous)