

13 The headteacher of a school wishes to collect the opinions of the students on a new timetable structure.

To do this, a random sample of size 50, stratified by year group, will be selected.

The school has a total of 720 students.

The number of students in each of the year groups at this school is shown below.

Year group	10	11	12	13
Number of students	200	240	150	130

13 (a) Find the number of students from each year group that should be selected in the stratified random sample.

[3 marks]

13 (b) State one advantage of using a stratified random sample.

[1 mark]