

- 5** In a large college, 28% of the students do not play any musical instrument, 52% play exactly one musical instrument and the remainder play two or more musical instruments.

A random sample of 12 students from the college is chosen.

[illegible]

A random sample of 90 students from the college is now chosen.

- (b) Use an approximation to find the probability that fewer than 40 of these students play exactly one musical instrument. [5]

This image shows a full page of primary-ruled paper. It features approximately 20 horizontal dashed lines spaced evenly down the page, providing a guide for handwriting practice. The paper is otherwise blank, with no margins, text, or other markings.