

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.

- (a) Find the probability that more than 9 of these students play at least one musical instrument. [3]

[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]

[illegible]