

- 25% of residents classified their service as good.
- 60% of residents classified their service as satisfactory.
- 15% of residents classified their service as poor.

Use a suitable approximation to find the probability that fewer than 22 residents classified their bus service as good. [5]

This image shows a single page of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

- (b) For a random sample of 10 residents of Mahjing, find the probability that fewer than 8 classified their bus service as good or satisfactory. [3]

- (c) Three residents of Mahjing are selected at random.

- Find the probability that one resident classified the bus service as good, one as satisfactory and one as poor. [2]