

(i) Six customers are chosen at random. Find the probability that more than three of them shop online. [3]

[illegible]

(ii) For a random sample of n customers, the probability that at least one of them shops online is greater than 0.95. Find the least possible value of n . [3]

This image shows a full page of white paper with ten horizontal dashed lines, typical of primary school handwriting practice paper. The lines are evenly spaced and extend across the entire width of the page. There is no text or other markings on the paper.

- (iii) For a random sample of 100 customers, use a suitable approximating distribution to find the probability that more than 39 shop online. [5]

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