

- 5 The weights of apples sold by a store can be modelled by a normal distribution with mean 120 grams and standard deviation 24 grams. Apples weighing less than 90 grams are graded as ‘small’; apples weighing more than 140 grams are graded as ‘large’; the remainder are graded as ‘medium’.
- (i) Show that the probability that an apple chosen at random is graded as medium is 0.692, correct to 3 significant figures. [4]

[illegible]

