

- MARKS** 7. A farmer has found over the years that the daily amount of milk she obtains from her favourite cow Clarabelle can be modelled by a normal distribution with a mean of 3.50 litres. If the farmer has also observed that Clarabelle's daily output exceeds 4.00 litres 30% of the time, find the standard deviation of the normal model for Clarabelle's daily milk output.
- 5

Standard deviation