

- 3** An experiment consists of throwing a biased die 30 times and noting the number of 4s obtained. This experiment was repeated many times and the average number of 4s obtained in 30 throws was found to be 6.21.

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- (ii) find the variance of the number of 4s obtained in 30 throws, [1]

- (iii) find the probability that in 15 throws the number of 4s obtained is 2 or more. [3]