

- (b) A spinning toy can land on one of four values: 2, 4, 6 or 8

Using a discrete uniform distribution, find the probability that the next value the toy lands on is greater than 2

[1 mark]

- (c) State an assumption that is required for the discrete uniform distribution used in part (b) to be valid.

[1 mark]

2. [June/2019/Paper_3/No.1](#)

The discrete random variable X has $\text{Var}(X) = 5$

Find $\text{Var}(4X - 3)$

Circle your answer.

[1 mark]

17

20

77

80