23/11/2023, 22:46 Probability

## **Probability**

Click on a question number to see how your answers were marked and, where available, full solutions.

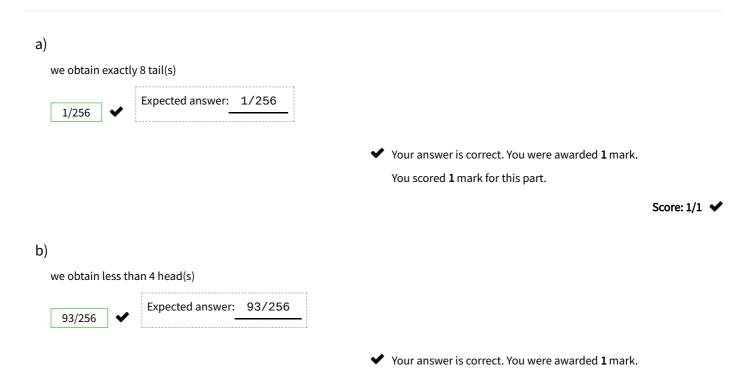
<b>Question Number</b>	S	cor	e
Question 1	2	/	2
Question 2	6	/	6
Total	8	/	8 (100%)

## **Performance Summary**

Exam Name:	Probability
Session ID:	19010532469
Student's Name:	Makolo, Daniella (dom10)
Exam Start:	Thu Nov 23 2023 22:29:06
Exam Stop:	Thu Nov 23 2023 22:46:44
Time Spent:	0:17:38

## Question 1

Suppose that we toss a fair coin 8 times. State the probability that



You scored 1 mark for this part.

## Question 2

The latency of a network connection is tested. The results follow a normal distribution and show a mean of 941ms, with a variance of 3600ms<sup>2</sup>.

Fill in the gaps for the following statements.

Score: 1/1

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a)	
At any given time the latency has a 70% chance to lie within 881   Expected answer: 881 and 1001	
Gap 0  ✓ Your answer is correct. You were awarded 1 mark.  Gap 1  ✓ Your answer is correct. You were awarded 1 mark.  You scored 2 marks for this part.	Score: 2/2 <b>✔</b>
At any given time the latency has a 95% chance to lie within 821   Expected answer: 821 and 1061	
Gap 0  ✓ Your answer is correct. You were awarded 1 mark.  Gap 1  ✓ Your answer is correct. You were awarded 1 mark.  You scored 2 marks for this part.	Score: 2/2 ✔
At any given time the latency has a 99.7% chance to lie within 761   Expected answer: 761 and 1121	
Gap 0  ✓ Your answer is correct. You were awarded 1 mark.  Gap 1  ✓ Your answer is correct. You were awarded 1 mark.  You scored 2 marks for this part.	
	Score: 2/2 ✔

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