coa-feldman-es1026i-winter-2022

Phileas Dazeley-Gaist Assignment Homework_06 due 02/14/2022 at 11:59pm EST

Problem 1. (1 point)
You play the basic coin toss game ten times. Your outcome is: <i>TTTHTTHHHHH</i> .
The total amount of money you win is
The average amount of money you win per game is is
Answer(s) submitted:
• 5 • 0.5
(correct)
Problem 2. (1 point)
You play the St. Petersberg game five times. Your outcomes are:
Game one: TTH
Game two: <i>TH</i>
Game three: TTTH
Game four: TTTTTH
Game five: <i>TH</i>
In game one you win
In game two you win
In game three you win
In game four you win
In game five you win
The total amount of money you win is
The average amount of money you win per game is is
Answer(s) submitted:
• 2^3
2^22^4
• 2^6
• 2^2
2³+2²+2⁴+2⁶+2²(2³+2²+2⁴+2⁶+2²)/5
- 12 0.2 2.2 2.2 1.2 0.2 2//0

Problem 3. (1 point)

You toss a fair coin five times.

The probability that you obtain the outcome HHHHH is ____.

The probability that you obtain the outcome *TTTHH* is ____.

The probability that you obtain the outcome HTTHT is $__$.

The probability that you obtain the outcome *TTHTH* is ____.

Answer(s) submitted:

- 0.03125
- 0.03125
- 0.03125
- 0.03125

(correct)

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(correct)

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