Problem 1. (1 point)

You play the basic coin toss game ten times. Your outcome is: $TTTHTTHHHH$.

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: TH

Game three: $TTTH$

Game four: $TTTTTH$

Game five: TH

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
- 2^2
- 2^4
- 2^6
- 2^2
- 2^3+2^2+2^4+2^6+2^2
- (2^3+2^2+2^4+2^6+2^2)/5

(correct)

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)