

Embedded Probability Task

1. Which of the following sequences is most likely to result from flipping a fair coin 5 times?

- _____ a. H H H T T
- _____ b. T H T T T
- _____ c. H T H T H
- _____ d. All three sequences are equally likely

2. Select the alternative below that is the best explanation for the answer you gave for question 1 above.

- _____ a. Since the coin is fair, you ought to get roughly equal numbers of heads and tails.
- _____ b. Since coin flipping is random, the coin ought to alternate frequently between landing heads and tails.
- _____ c. If you get a couple of heads in a row, the probability of a tails on the next flip increases.
- _____ d. Each sequence of five flips has the same probability of occurring.