

Expectation

ANSWERS

Questions



1. I throw a normal fair dice 180 times. How many times can I expect to get a score of 2?

2. I spin a spinner with four equal sections numbered 10 to 13. How many 13's can I expect in 900 spins?

3. I toss a coin 3000 times. How many times can I expect to get heads?

4. Three out of five of the population wear glasses. How many people would you expect to wear glasses in a village of 10'000 people?

5. I draw a card from a pack of playing cards and replace it. I do this 130 times. How many times would I expect to get a red Jack?

6. How many times must I toss a coin if I expect to get 45 tails?

7. The chance of my train being late is 0.05. I take the train to work every day. How many times can I expect the train to be on time in an entire year?

8. I need to buy 120 tickets to expect to have one winning ticket. There are 5 winning tickets available. How many tickets are sold?

Answers

A. 5 QUESTION 5

B. 90 QUESTION 6

C. 600 QUESTION 8

D. 30 QUESTION 1

E. 1500 QUESTION 3

F. 342 QUESTION 7

G. 6000 QUESTION 4

H. 225 QUESTION 2