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| --- | --- |
| **Finding Expected Values from Probability** | |
| **(a)** | **(b)** |
| The table shows the probabilities that a biased dice will land on each of the numbers from to . Yuri rolls the dice times. Estimate the number of times it will land on a .   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Number |  |  |  |  |  |  | | Probability |  |  |  |  |  |  | | The table shows the probabilities that a biased four-sided spinner will land on each of the letters from A to D. Jo spins the spinner times. Estimate the number of times it will land on B.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Letter | A | B | C | D | | Probability |  |  |  |  | |
| **(c)** | **(d)** |
| The table shows the probabilities that a biased four-sided dice will land on each of the numbers from to . The probability of it landing on a is the same as it landing on a . Mohid rolls the dice times. Estimate the number of times it will land on a or a .   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Number |  |  |  |  | | Probability |  |  |  |  | | The table shows the probabilities that a biased five-sided spinner will land on each of the numbers from to . The probability that the spinner lands on a is twice the probability that it lands on a . Suzy spins the spinner times. Estimate the number of times it will land on a or a .   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Number |  |  |  |  |  | | Probability |  |  |  |  |  | |
| **(e)** | **(f)** |
| The table shows the probabilities that a biased four-sided spinner will land on each of the letters from A to D. The probability that the spinner lands on B is 30% more than the probability it lands on A. Omar spins the spinner times. Estimate the number of times it will land on B or C.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Letter | A | B | C | D | | Probability |  |  |  |  | | The table shows the probabilities that a biased dice will land on each of the numbers from to . The probabilities the the dice will land on a , or are in the ratio Misbah rolls the dice times. Estimate the number of times it will land on a prime number.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Number |  |  |  |  |  |  | | Probability |  |  |  |  |  |  | |