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| **Theoretical Probability with Dice** | | | |
| **(a)** | **(b)** | **(c)** | **(d)** |
| A fair, six-sided dice numbered to is rolled once. What is the probability of the dice landing on a ? | A fair four-sided dice numbered to is rolled once. What is the probability of the dice landing on a ? | A fair ten-sided dice numbered to is rolled once. What is the probability of the dice landing on a ? | A fair ten-sided dice numbered to is rolled once. What is the probability of the dice landing on a or ? |
| **(e)** | **(f)** | **(g)** | **(h)** |
| A fair, six-sided dice numbered to is rolled once. What is the probability of the dice landing on an odd number? | A fair four-sided dice numbered to is rolled once. What is the probability of rolling a number less than ? | A fair ten-sided dice numbered to is rolled once. What is the probability of rolling a number less than ? | A fair, six-sided dice numbered to is rolled once. What is the probability of the dice landing on a number that is not six? |
| **(i)** | **(j)** | **(k)** | **(l)** |
| A fair, six-sided dice numbered to is rolled once. What is the probability of the dice landing on a prime number? | A fair four-sided dice numbered and is rolled once. What is the probability of the dice landing on a multiple of ? | A fair six-sided dice numbered and is rolled once. What is the probability of rolling a ? | A fair six-sided dice numbered and is rolled once. What is the probability of rolling a number that is not a ? |
| **(m)** | **(n)** | **(o)** | **(p)** |
| A fair ten-sided dice numbered to is rolled once. What is the probability of rolling a square number? | A fair ten-sided dice numbered to is rolled once. What is the probability of rolling a number that is a factor of ? | The probability of rolling a on a biased dice is What is the probability of not rolling a ? | If a fair six-sided dice is rolled times, how many times would you expect it to land on a ? |