

Probability

Writing Probability

The probability of an event can be written as $P(\text{event})$.
For example, tossing a coin results in these probabilities:

$$P(\text{Heads}) = \frac{1}{2} = 50\% = 0.5$$

$$P(\text{Tails}) = \frac{1}{2} = 50\% = 0.5$$

Instructions: Write the probability for each event as a fraction, decimal or percentage (if applicable).

1	Probability of rolling an odd number with a single 6-sided die	2	Probability of rolling a composite number with a 12-sided die
3	Probability of picking a heart card from a deck of 52 cards	4	Probability of picking a grape out of 24 grapes, 13 cherries, 12 strawberries and 27 blueberries
5	Probability of drawing a prime number from a deck of cards numbered from 1 to 15	6	Probability of selecting a dog from a room of 12 dogs, 18 birds and 36 cats



Instructions: Write the probability for each event as a fraction, decimal or percentage (if applicable).

1	Probability of picking an even card from cards numbered from 20 to 39	2	Rolling a vowel from a letter cube with letters from A to K
3	Probability of choosing a blue marble from a bag of 15 red, 8 green, 5 blue and 12 orange marbles	4	Probability of drawing a composite number from cards numbered from 5 to 19

Instructions: Write the probability for each event as a fraction, decimal or percentage (if applicable).

1	Probability of landing on red using a colour wheel with equal sections of red, blue, green, orange and purple	2	Probability of rolling a multiple of 3 with a single 6-sided die
3	Probability of selecting a green ball out of a bag of 12 white balls, 18 black balls and 45 green balls	4	Probability of a girl choosing green out of blue and green if girls chose green 35% of the time