Language		
Probability	The likelihood/chance of something happening.	
	Is expressed as a number between 0 (impossible)	Impossible Unlikely Even Chance Likely Certain
	and 1 (certain).	¥ ¥ ¥
	Can be expressed as a fraction, decimal,	
	percentage or in words (likely, unlikely, even	1-in-6 Chance 4-in-5 Chance
	chance etc.)	
Probability	P(A) refers to the probability that event A will	P(Red Queen) refers to the probability of picking a Red
Notation	occur.	Queen from a pack of cards.
Theoretical	Number of Favourable Outcomes	Probability of rolling a 4 on a fair 6-sided die = $\frac{1}{6}$.
Probability	Total Number of Possible Outcomes	6
Relative	Number of Successful Trials	A coin is flipped 50 times and lands on Tails 29 times.
Frequency	Total Number of Trials	
		The relative frequency of getting Tails = $\frac{29}{50}$.
Expected	To find the number of expected outcomes,	The probability that a football team wins is 0.2 How
Outcomes	multiply the probability by the number of trials.	many games would you expect them to win out of 40?
		$0.2 \times 40 = 8 games$
Mutually	Events are mutually exclusive if they cannot	Examples of mutually exclusive events:
Exclusive	happen at the same time.	
		- Turning left and right
	The probabilities of an exhaustive set of	- Heads and Tails on a coin
	mutually exclusive events adds up to 1.	
		Examples of non mutually exclusive events:
		- King and Hearts from a deck of cards, because you can
		pick the King of Hearts
Biased	Biased means that something is unfair.	On a biased dice, one number is more likely to come up
		than all of the rest.
	On a fair dice, the probability of getting each of	If P(3) = $\frac{4}{7}$ this would mean that it is a biased dice as
	the numbers is $\frac{1}{6}$.	11 + (3) = 7 this would mean that it is a biased dice as
	6.	you are more likely to land on a 3 than any other
		number.
Fair Dice	A fair dice is a normal 6 sided dice where each	Possible outcomes:
	number has the same chance of being rolled	1, 2, 3, 4, 5, 6
Pack of Cards	52 cards in a deck.	
	4 suits: Diamonds (red), Hearts (red), Spades (black) and Clubs (black) 13 cards per suit: 1 (ace), 2, 3, 4, 5, 6, 7, 8, 9, 10, Jack, Queen, King	
	Number Cards: 1 – 10	
	Picture/Face Cards: Jacks, Queens and Kings	

