Year 9 Mathematics Learning Journey: Unit 16 - Probability



Step 7: Use diagrams for probabilities

Describe the meaning of each section of a Venn diagram.



Step 6 (H): Tree diagrams without replacement

A bag contains 4 red and 5 green sweets. A sweet is selected at random. What is the probability that a second sweet selected from the bag is red after selecting a red sweet first?



There are 400 seeds in a packet. The probability a seed will grow into a flower is 85%. Work out an estimate for the number of seeds that grow into flowers.



Step 4: Independent events

What does it mean for two events to be independent?



Step 5 (H): Tree diagrams

Why do we multiply probabilities along the branches of a tree diagram but add the probabilities of the outcomes?



Step 2: Relative frequency

Why is experimental probability different from theoretical probability?



Step 1 (R): Single event probability

How can you tell if the outcomes of an event are equally likely?









COLLEGE