Mathematics
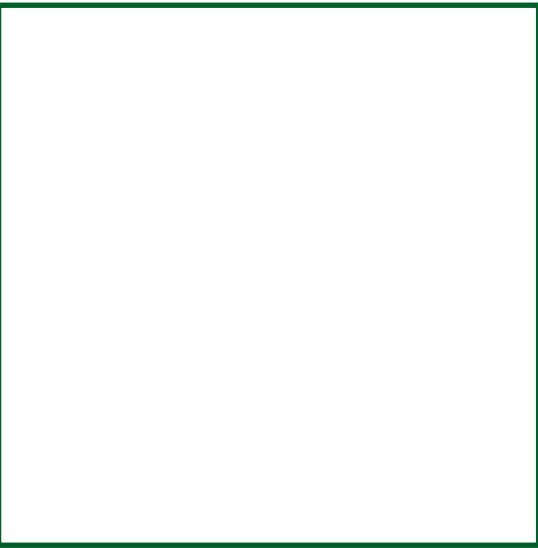
Theoretical Probability and Relative Frequency 2 Downloadable Resource

Mr Langton

Theoretical Probability and Relative Frequency 2

Binh has a biased dice. The probability of it landing on a six is $\frac{2}{3}$. She rolls the dice 300 times. How many times do you think she will roll a six?

Xavier has a biased coin. The probability that it will land on a head is 0.3. He plans to flip the coin 150 times. How many times do you think it will land on a tail?

Yasmin has a bag of mixed bulbs which she intends to plant in her garden. The packaging states the probability that each bulb is a certain species of flower.

Type of flower	Daffodil	Rose	Allium	Iris
Probability	0.16	0.4	0.12	0.32

Yasmin plants 250 bulbs. How many of each species would you expect to grow?

Antoni does an experiment. He throws a dice 1200 times. He scores a four, 200 times. Do you think the dice is fair?