

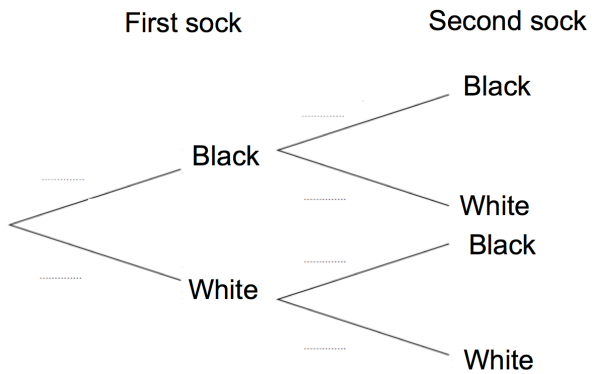


A bag contains 4 shapes.

Shape	Probability
Circle	0.4
Triangle	0.1
Square	
Rectangle	

The probability of choosing a square is three times the probability of choosing a rectangle.

Complete the table.



Complete the tree diagram.

Natalie has 8 socks in a drawer. 5 of the socks are black. 3 of the socks are white.

Natalie takes out a sock at random, writes down its colour and puts it back into the drawer. Then Natalie takes out a second sock, at random, and writes down its colour.

Work out the probability both socks are the same colour.

$c = 1.64$ when truncated to two decimal places.

Write an inequality to show the interval in which the actual value lies.

Niamh invests £600 for 2 years at 10% per year compound interest.

How much interest does she earn?