

20th May



Corbettmaths

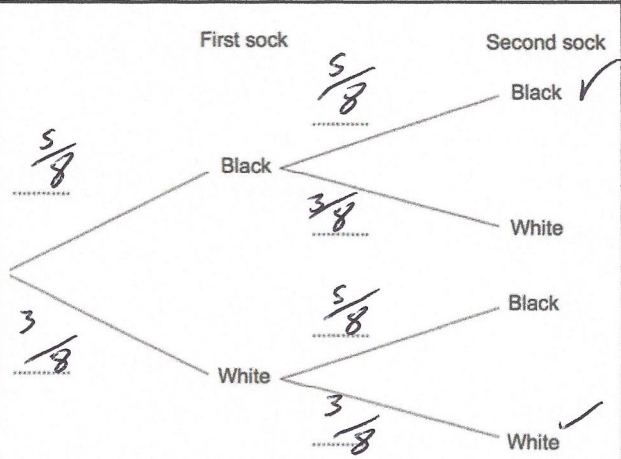
A bag contains 4 shapes.

Shape	Probability
Circle	0.4
Triangle	0.1
Square	0.375
Rectangle	0.125

0.5
3x
x

The probability of choosing a square is three times the probability of choosing a rectangle. $1 - 0.5 = 0.5$
 4×0.5

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.

$$\frac{5}{8} \times \frac{5}{8} = \frac{25}{64}$$

$$\frac{3}{8} \times \frac{3}{8} = \frac{9}{64}$$

$$\frac{34}{64} = \frac{17}{32}$$

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

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

$$1.64 < c < 1.65$$

or

$$1.64 \leq c < 1.65$$

Natalie invests £600 for 2 years at 10% per year compound interest. How much interest does she earn?

$$600 \times 1.1^2 = 726$$

£126