
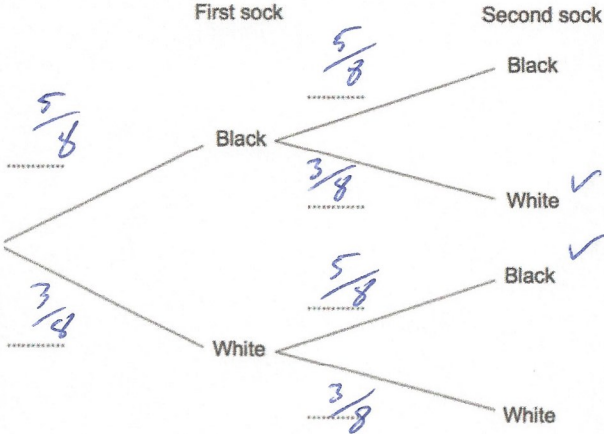


7th October		 Corbettmaths
Work out $1\frac{3}{4} + 6\frac{2}{3}$ $\frac{7}{4} + \frac{20}{3}$ $\frac{21}{12} + \frac{80}{12}$	$\frac{101}{12} = 8\frac{5}{12}$	
<div style="display: flex; justify-content: space-between;"> First sock Second sock </div>  <p>Complete the tree diagram.</p>	<p>Natalie has 8 socks in a drawer. 5 of the socks are black. 3 of the socks are white.</p> <p>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.</p> <p>Work out the probability both socks are different colours.</p> $P(BW) = \frac{5}{8} \times \frac{3}{8} = \frac{15}{64}$ $P(WB) = \frac{3}{8} \times \frac{5}{8} = \frac{15}{64}$ $\frac{30}{64} = \frac{15}{32}$	
Expand $(x + 5)(x - 1)$ $x^2 - x + 5x - 5$ $x^2 + 4x - 5$		
<p>Rachel buys a DVD for £18.50.</p> <p>A year later she sells it for £15.91</p> <p>What is the percentage decrease in value of the DVD?</p>	$\frac{259}{1850} \times 100$ 14%	