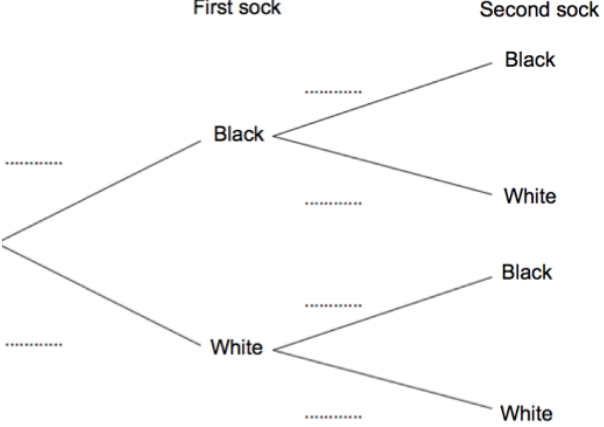
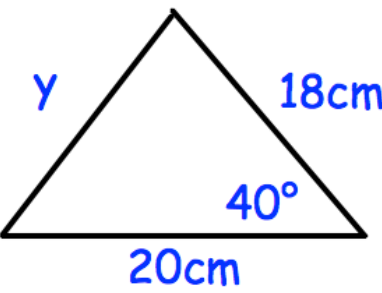


Name: _____

October 15	5-a-day	Higher
<p>Find the reciprocal of 1.5</p>	<p>Find the reciprocal of 0.15</p>	
<div style="text-align: center;"> <p>First sock</p> <p>Second sock</p>  <pre> graph LR A[First sock] --> B[Black] A --> C[White] B --> D[Black] B --> E[White] C --> F[Black] C --> G[White] </pre> </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>Find y.</p>	
<p>Prove that</p> $(n + 1)^2 - (n - 1)^2 + 3$ <p>is always odd for all positive integer values of n.</p>		