

# Using probabilities

Chance of injury	Probability tree diagram	Using probabilities
<p><b>C</b></p> <p>The probability of having an injury from playing hockey that results in a broken bone in any one season is <b>0.15</b>.</p>		<p>120 000 hockey players are registered in the UK.</p> <p>If <b>80 000</b> of the registered players get injured, how many of them would you expect to have <b>two injuries involving a broken bone</b> during the year?</p> <div style="border: 1px solid black; width: 100px; height: 40px; margin: 20px auto;"></div>
<p><b>D</b></p> <p>The probability of having an injury from playing hockey that results in a sprain in any one season is <math>\frac{2}{3}</math>.</p>		<p>1200 students participate in UK schools' hockey tournaments.</p> <p>If <b>900</b> of the students get injured, how many of them would you expect to have <b>two injuries involving a sprain</b> during the year?</p> <div style="border: 1px solid black; width: 100px; height: 40px; margin: 20px auto;"></div>