


2008 P1 Q8	<p>Four girls and two boys decide to organise a tennis tournament for themselves.</p> <p>Each name is written on a plastic token and put in a bag.</p> <div style="text-align: right;">  </div> <p>(a) What is the probability that the first token drawn from the bag has a girl's name on it?</p> <p>(b) The first token drawn from the bag has a girl's name on it. This token is <b>not</b> returned to the bag. What is the probability that the next token drawn from the bag has a boy's name on it?</p>	1	2												
Ans	(a) $\frac{4}{6}$ or $\frac{2}{3}$ (b) $\frac{2}{5}$														
2007 P1 Q9	<p>Craig works in the school office.</p> <p>Shown below is his order for 25 boxes of folders.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2" style="text-align: center;">Office Supplies</th> </tr> </thead> <tbody> <tr> <td>Blue Folders</td> <td style="text-align: right;">7 boxes</td> </tr> <tr> <td>Green Folders</td> <td style="text-align: right;">11 boxes</td> </tr> <tr> <td>Pink Folders</td> <td style="text-align: right;">3 boxes</td> </tr> <tr> <td>Yellow Folders</td> <td style="text-align: right;">4 boxes</td> </tr> <tr> <td><b>Total</b></td> <td style="text-align: right;"><b>25 boxes</b></td> </tr> </tbody> </table> <p>His order has arrived in identical boxes but they are not labelled.</p> <p>(a) What is the probability that the first box Craig opens contains pink folders?</p> <p>(b) The first box Craig opens contains green folders. What is the probability that the next box he opens contains blue folders?</p>	Office Supplies		Blue Folders	7 boxes	Green Folders	11 boxes	Pink Folders	3 boxes	Yellow Folders	4 boxes	<b>Total</b>	<b>25 boxes</b>	1	2
Office Supplies															
Blue Folders	7 boxes														
Green Folders	11 boxes														
Pink Folders	3 boxes														
Yellow Folders	4 boxes														
<b>Total</b>	<b>25 boxes</b>														
Ans	(a) $\frac{3}{25}$ (b) $\frac{7}{24}$														

2006 P1 Q6	<p>A box contains 10 coloured balls.</p> <p>There are 4 yellow balls, 3 blue balls, 2 green balls and 1 red ball.</p> <p>(a) David takes a ball from the box.</p> <p>What is the probability that the ball is blue?</p> <p>(b) The ball is put back in the box.</p> <p>2 yellow balls and the red ball are then removed.</p> <p>What is the probability that the next ball David takes from the box is green?</p>	1	2
<i>Ans</i>	(a) $\frac{3}{10}$ (b) $\frac{2}{7}$		
2004 P1 Q6	<p>Last month a garage sold 12 red cars, 9 silver cars and 15 black cars.</p> <p>Joe bought one of these cars.</p> <p>What is the probability that the car Joe bought was silver?</p> <p>Give your answer as a fraction in its simplest form.</p>	2	
<i>Ans</i>	$\frac{1}{4}$		
2003 P1 Q3	<p>Nine wooden balls numbered one to nine are placed in a bag.</p> <p>A ball is removed from the bag.</p> <p>What is the probability that this ball has a number more than 7?</p>	2	
<i>Ans</i>	$\frac{2}{9}$		
2002 P1 Q2	<p>Davina has a bag of sweets.</p> <p>It contains three yellow sweets, four purple sweets, two red sweets and six pink sweets.</p> <p>The corner of her bag is torn and a sweet falls out.</p> <p>(a) What is the probability that this sweet is yellow?</p> <p>(b) The sweet that fell out was yellow and she put it in a bin.</p> <p>What is the probability that the next sweet to fall out is pink?</p>	1	2
<i>Ans</i>	(a) $\frac{3}{15}$ or $\frac{1}{5}$ (b) $\frac{6}{14}$ or $\frac{3}{7}$		



<i>2001 P1 Q9</i>	<p>There are 1 blue, 2 red and 3 yellow counters in a bag.</p> <p>(a) A counter is taken from the bag. What is the probability that the counter is red?</p>	1	
	<p>(b) The counter is replaced in the bag and two green counters are added to the bag. A counter is taken from the bag. What is the probability that it is <b>not</b> yellow?</p>		2
<i>Ans</i>	(a) $\frac{2}{6}$ or $\frac{1}{3}$ (b) $\frac{5}{8}$		
<i>2000 P1 Q9</i>	<p>(a) In a parking area there were 49 family cars, 15 sports cars and 11 four-wheel-drive vehicles. What is the probability that the first car leaving the parking area is a sports car?</p>	1	
	<p>(b) The first car that left was a sports car. What is the probability that the next car leaving the parking area is a family car?</p>		2
<i>Ans</i>	(a) $\frac{15}{75}$ or $\frac{1}{5}$ (b) $\frac{49}{74}$		