

Question	Answer	Mark	Mark scheme	Additional guidance
18	$\frac{5}{28}$	P1	for a correct probability for 2 <sup>nd</sup> or 3 <sup>rd</sup> counter, eg $\frac{3}{7}$ or $\frac{4}{7}$ or $\frac{1}{7}$ or $\frac{1}{6}$ or $\frac{2}{6}$ or $\frac{3}{6}$	
		P1	for a correct product for 2 red and 1 green eg, $(P(RRG) =) \frac{4}{8} \times \frac{3}{7} \times \frac{1}{6} \left( = \frac{12}{336} \text{ or } \frac{1}{28} \right)$ or $(P(RGR) =) \frac{4}{8} \times \frac{1}{7} \times \frac{3}{6} \left( = \frac{12}{336} \text{ or } \frac{1}{28} \right)$ or $(P(GRR) =) \frac{1}{8} \times \frac{4}{7} \times \frac{3}{6} \left( = \frac{12}{336} \text{ or } \frac{1}{28} \right)$	
		P1	for a correct product for 3 red, eg $(P(RRR) =) \frac{4}{8} \times \frac{3}{7} \times \frac{2}{6} \left( = \frac{24}{336} \text{ or } \frac{2}{28} \right)$	
		P1	for a complete process, eg $\left( \frac{4}{8} \times \frac{3}{7} \times \frac{1}{6} \right) + \left( \frac{4}{8} \times \frac{1}{7} \times \frac{3}{6} \right) + \left( \frac{1}{8} \times \frac{4}{7} \times \frac{3}{6} \right) + \left( \frac{4}{8} \times \frac{3}{7} \times \frac{2}{6} \right)$	
		A1	for $\frac{60}{336}$ oe eg $\frac{5}{28}$ SCB2 if P0 scored for answer of $\frac{112}{512}$ oe (replacement)	Accept equivalent fractions, decimals (0.17... or 0.18) or percentages (17% or 18%)