21	eg (P(RRY) =) $\frac{9}{20}\times\frac{8}{19}\times\frac{7}{18}\left(=\frac{504}{6840}=\frac{7}{95}\right)$ oe **or** (P(RRG) =) $\frac{9}{20}\times\frac{8}{19}\times\frac{4}{18}\left(=\frac{288}{6840}=\frac{4}{95}\right)$ oe **or** (P(RRR) =) $\frac{9}{20}\times\frac{8}{19}\times\frac{7}{18}\left(=\frac{504}{6840}=\frac{7}{95}\right)$ oe **or** (P(RRR$'$) =) $\frac{9}{20}\times\frac{8}{19}\times\frac{11}{18}\left(=\frac{792}{6840}=\frac{11}{95}\right)$ oe **or** (P(YYR) =) $\frac{7}{20}\times\frac{6}{19}\times\frac{9}{18}\left(=\frac{378}{6840}=\frac{21}{380}\right)$ oe **or** (P(YYG) =) $\frac{7}{20}\times\frac{6}{19}\times\frac{4}{18}\left(=\frac{168}{6840}=\frac{7}{285}\right)$ oe **or** (P(YYY) =) $\frac{7}{20}\times\frac{6}{19}\times\frac{5}{18}\left(=\frac{210}{6840}=\frac{7}{228}\right)$ oe **or** (P(YYY$'$) =) $\frac{7}{20}\times\frac{6}{19}\times\frac{13}{18}\left(=\frac{546}{6840}=\frac{91}{1140}\right)$ oe **or** (P(GGR) =) $\frac{4}{20}\times\frac{3}{19}\times\frac{9}{18}\left(=\frac{108}{6840}=\frac{3}{190}\right)$ oe **or** (P(GGY) =) $\frac{4}{20}\times\frac{3}{19}\times\frac{7}{18}\left(=\frac{84}{6840}=\frac{7}{570}\right)$ oe **or** (P(GGG) =) $\frac{4}{20}\times\frac{3}{19}\times\frac{2}{18}\left(=\frac{24}{6840}=\frac{1}{285}\right)$ oe **or** (P(GGG$'$) =) $\frac{4}{20}\times\frac{3}{19}\times\frac{16}{18}\left(=\frac{192}{6840}=\frac{8}{285}\right)$ oe **or** (P(RGY) =) $\frac{9}{20}\times\frac{7}{19}\times\frac{4}{18}\left(=\frac{252}{6840}=\frac{7}{190}\right)$ oe		3	M1	for finding one correct product, does not need to be labelled **or** for an answer of $\frac{17}{76}$ oe eg 0.22(3…) **or** 22(.3…)% **or** $\frac{65}{76}$ oe eg 0.85(5…) **or** 85(.5…)%
	(P(RRR$'$ or YYY$'$ or GGG$'$) =) $\left(3\times\frac{9}{20}\times\frac{8}{19}\times\frac{11}{18}\right)+\left(3\times\frac{7}{20}\times\frac{6}{19}\times\frac{13}{18}\right)+\left(3\times\frac{4}{20}\times\frac{3}{19}\times\frac{16}{18}\right)$oe **or** (P(RRY or RRG or YYR or YYG or GGR or GGY) =) $\left(3\times\frac{9}{20}\times\frac{8}{19}\times\frac{7}{18}\right)+\left(3\times\frac{9}{20}\times\frac{8}{19}\times\frac{4}{18}\right)+\left(3\times\frac{7}{20}\times\frac{6}{19}\times\frac{9}{18}\right)+$ $\left(3\times\frac{7}{20}\times\frac{6}{19}\times\frac{4}{18}\right)+\left(3\times\frac{4}{20}\times\frac{3}{19}\times\frac{9}{18}\right)+\left(3\times\frac{4}{20}\times\frac{3}{19}\times\frac{7}{18}\right)$oe **or** (1 – P(RRR or YYY or GGG or RGY) =) $1-\left(\left(\frac{9}{20}\times\frac{8}{19}\times\frac{7}{18}\right)+\left(\frac{7}{20}\times\frac{6}{19}\times\frac{5}{18}\right)+\left(\frac{4}{20}\times\frac{3}{19}\times\frac{2}{18}\right)+\left(6\times\frac{9}{20}\times\frac{7}{19}\times\frac{4}{18}\right)\right)$oe			M1	for a complete calculation
	Correct answer scores full marks (unless from obvious incorrect working) SCB1 for an answer of $\frac{669}{1000}$ oe eg 0.66(9) or 66(.9)%	$\frac{51}{76}$		A1	oe eg 0.67(1…) or 67(.1…)%
					Total 3 marks