Question	Answer	Mark	Mark scheme	Additional guidance
14	No (supported)	P1	for P(OO) = $\frac{5}{9}\times\frac{4}{8}$ (= $\frac{20}{72}$) or P(OE) = $\frac{5}{9}\times\frac{4}{8}$ (= $\frac{20}{72}$) **or** P(EO) = $\frac{4}{9}\times\frac{5}{8}$ (= $\frac{20}{72}$) **or** P(EE) = $\frac{4}{9}\times\frac{3}{8}$ (= $\frac{12}{72}$)	Accept equivalent probabilities throughout
		P1	for P(OO) = $\frac{5}{9}\times\frac{4}{8}$ (= $\frac{20}{72}$) **and** P(EE) = $\frac{4}{9}\times\frac{3}{8}$ (= $\frac{12}{72}$) **OR** for P(OE) = $\frac{5}{9}\times\frac{4}{8}$ (= $\frac{20}{72}$) **and** P(EO) = $\frac{4}{9}\times\frac{5}{8}$ (= $\frac{20}{72}$) **and** P(EE) = $\frac{4}{9}\times\frac{3}{8}$ (= $\frac{12}{72}$)	
		P1	for a process to find probability of sum being even, eg P(OO) + P(EE) = $\frac{5}{9}\times\frac{4}{8}$ + $\frac{4}{9}\times\frac{3}{8}$ (= $\frac{32}{72}$)	Sample space diagram or listing: Award P3 for P(sum even) = $\frac{32}{72}$ or P(product even) = $\frac{52}{72}$, P4 for both
		P1	for a process to work with probability of product being even, eg P(EO) + P(OE) + P(EE) = $\frac{4}{9}\times\frac{5}{8}$ + $\frac{5}{9}\times\frac{4}{8}$ + $\frac{4}{9}\times\frac{3}{8}$ (= $\frac{52}{72}$) or 1 – P(OO) = 1 – $\frac{5}{9}\times\frac{4}{8}$ (= $\frac{52}{72}$)	
		C1	for No supported by correct probabilities, eg $\frac{32}{72}$ **and** $\frac{52}{72}$ SC B2 for $\frac{41}{81}$ **and** $\frac{56}{81}$ **and** No SC B1 for $\frac{41}{81}$ **and** $\frac{56}{81}$ with no decision or incorrect decision	