## PROJECT MOCK

## Question 4 – 5:

4(a)	462	1	
4(b)(i)	$\frac{7}{15}$ oe	1	
4(b)(ii)	$\frac{7}{15} \times \frac{6}{14} + \frac{6}{15} \times \frac{5}{14} + \frac{2}{15} \times \frac{1}{14}$ $= \frac{37}{105}$	3	M2 for addition of two of $\frac{7}{15} \times \frac{6}{14} + \frac{6}{15} \times \frac{5}{14} + \frac{2}{15} \times \frac{1}{14}$ or M1 for one of the products seen
4(b)(iii)	29/65 oe	4	M3 for $\frac{7}{15} \times \frac{6}{14} \times \frac{5}{13} + 3 \times \frac{7}{15} \times \frac{6}{14} \times \frac{6}{13} + 3 \times \frac{7}{15} \times \frac{6}{14} \times \frac{2}{13} \text{ oe}$ or $1 - 3 \left( \frac{8}{15} \times \frac{7}{14} \times \frac{7}{13} \right) - \left( \frac{8}{15} \times \frac{7}{14} \times \frac{6}{13} \right) \text{oe}$ or M2 for the sum of at least two of $\frac{7}{15} \times \frac{6}{14} \times \frac{5}{13}, N \times \frac{7}{15} \times \frac{6}{14} \times \frac{6}{13}, N \times \frac{7}{15} \times \frac{6}{14} \times \frac{2}{13}$ seen or for $\frac{7}{15} \times \frac{6}{14} \times \frac{13}{13}$ or $\frac{7}{15} \times \frac{6}{14} \times \frac{13}{13} \times \frac{6}{14} \times \frac{5}{13} \text{ or } N \times \frac{7}{15} \times \frac{6}{14} \times \frac{2}{13} \times \frac{6}{14} \times \frac{13}{13} \times \frac{6}{14} \times \frac{6}{14} \times \frac{13}{13} \times \frac{6}{14} \times \frac{13}{13} \times \frac{6}{14} \times \frac{13}{13} \times \frac{6}{14} \times \frac{13}{13} \times \frac{6}{14} \times $