

Question			Answer	Mks	AO	Guidance	
10	(i)		$\frac{3}{8} + \frac{5}{16} + 4p + p = 1$ $p = \frac{1}{16}$ or 0.0625	M1 A1 [2]	1.1a 1.1	oe eg $5p = 1 - (\frac{3}{8} + \frac{5}{16})$	
10	(ii)		$\frac{3}{8} \times \frac{5}{8}$ or $\frac{3}{8} \times \frac{3}{8}$ seen $\frac{3}{8} \times \frac{5}{8} + \frac{5}{8} \times \frac{3}{8} + \frac{3}{8} \times \frac{3}{8}$ $= \frac{39}{64}$ or 0.609 (3 sf))	M1 M1 A1 [3]	1.1a 2.1 1.1	or eg $\frac{3}{8} \times \frac{5}{16} + \frac{3}{8} \times \frac{4}{16} + \frac{3}{8} \times \frac{1}{16}$ ft their p ft their p Allow 0.61	or $1 - (\frac{5}{16} + \frac{1}{4} + \frac{1}{16})^2$ M2 or $1 - (\frac{5}{8})^2$ M2