

Q1. (2018)

27	$\frac{10}{30}$ and $\frac{9}{31}$ seen or $\frac{1}{3}$ and $\frac{9}{31}$ seen	M1	oe accept 0.33... and 0.29...
	$\frac{10}{30} \times \frac{9}{31} \times \frac{8}{32}$ or $\frac{1}{3} \times \frac{9}{31} \times \frac{1}{4}$	M1dep	oe accept 0.33... and 0.29... and 0.25
	$\frac{3}{124}$ or [0.0239, 0.0242]	A1	oe eg $\frac{720}{29\,760}$
	Additional Guidance		
	Fractions do not have to be in simplest form		
	$\frac{10}{30} \times \frac{9}{31} \times \frac{8}{32} \times \frac{7}{33}$		M1M0
	$\frac{10}{30} + \frac{9}{31} + \frac{8}{32}$		M1M0

Q2. (2020)

Q	Answer	Mark	Comments
22	$\frac{120}{250}$ or 0.48 or $\frac{130}{250}$ or 0.52 or $\frac{17}{32}$ or 0.53125 or $\frac{15}{32}$ or 0.46875	M1	oe
	$\frac{120}{250} \times \frac{17}{32}$ or $\frac{51}{200}$ or 0.255	M1	oe implies 1st and 2nd M1
	$\frac{130}{250} \times \frac{15}{32}$ or $\frac{39}{160}$ or 0.24375	M1	oe implies 1st and 3rd M1
	0.255 and 0.24375 and Yes	A1	must be comparable if fractions used eg $\frac{204}{800}$ and $\frac{195}{800}$ and Yes
	Additional Guidance		
	Accept values given as percentages		
	Accept decimal values truncated or rounded to 2 dp or better		