

Question		Scheme	Marks	AOs
5(a)	$\frac{365}{1825}$ or $\frac{1}{5}$ or 0.2 oe		B1	1.1b
			(1)	
(b)	$\frac{170}{1825}$ or $\frac{34}{365}$ or awrt 0.093		B1	1.1b
			(1)	
(c)	$90 \times 0.4 + 80 \times 0.05 [= 40]$ or $90 \times 0.6 + 80 \times 0.95 [= 130]$ or $740 \times 0.65 [= 481]$ or $740 \times 0.35 [= 259]$		M1	3.1b
			B1 B1 A1	1.1b 1.1b 1.1b
			(4)	
(d)	$P(R' \cap F) = \frac{380}{1825} \left[= \frac{76}{365} = 0.208... \right]$ oe	awrt 0.208	B1	1.1b
			(1)	
(e)	$\left[\frac{133 + "130"}{1825} = \right] \frac{"263"}{1825}$	awrt 0.144	B1ft	1.1b
			(1)	
(f)	$\frac{247 + "481"}{247 + "481" + 123 + "40"}$		M1	3.4
	$= \frac{728}{891}$	awrt 0.817	A1	1.1b
			(2)	
Notes: (10 marks)				
		Look out for answers given in the question. If you see answers in the question and in the answer space those in the answer space take precedence.		
(a)	B1	Allow equivalent		
(b)	B1	Allow equivalent		
(c)	M1	Correct method to find one of the values 40 or 130 or 481 or 259		
		Implied by 40, 481, 259 or 130 seen in correct place on diagram		
	B1	One of the highlighted correct		
	B1	A second value highlighted correct or their ("259" + "481") = 740 or their ("40" + "481") = 521 or their ("40" + "130") = 170		
	A1	Fully correct		
(d)	B1	380/1825 oe or awrt 0.208		
(e)	B1ft	Correct answer or		
		Ft their 130 (> 0) do not allow if blank		
		Allow ft correct to 3 sf.		
(f)	M1	For a single fraction with the numerator < denominator and <i>n</i> is an integer we will award for <i>n</i> /891 or <i>n</i> /(sum of their 4 values in <i>H</i> , each > 0) or awrt 0.817		
	A1	728/891 oe or awrt 0.817		