9	(a)	0.1 + 0.3 + q + 2q + 3q = 1	M1	1.2	Setting sum of values equal to 1
		q = 0.1	A1	1.1	
			[2]		
9	(b)	(0.1 + 0.3 + 0.1 + 0.2 =) 0.7	B 1	1.1	Or 1 - p(X = 5)
			[1]		
9	(c)	0.1×0.3 seen or 0.03 seen	M1	1.1	
		$0.1 \times 0.3 + 0.1 \times 0.3 = 0.06$	A1	1.1	$0.06 \text{ o.e } \frac{6}{100} \text{ or } \frac{3}{50} \text{ etc}$
			[2]		
9	(d)	0.098314correct to 2 or more sf BC	B1	1.1	By using e.g $X \sim B(50,0.3)$ and finding $P(X = 17)$
			[1]		
		ı			