In h	ow many v	vays can t	he memb	ers who w	vill travel in	the coach b	e chosen?		
•••••		••••••		••••••					
•••••	•••••••	••••••	•	••••••	•••••	•••••••	•••••••••••	•••••	••••••
•••••	••••••	••••••	•	•••••	•••••	•••••	••••••••••••	•••••	•••••
•••••	•••••							•••••	•••••
•••••	•••••	•••••				•••••			•••••
	•••••	•••••	•••••	•••••		•••••		•••••	•••••
								•••••	
 An (ordinary fa	ir die is th	nrown rej	peatedly u	ntil a 1 or a	6 is obtaine	d.		
						6 is obtaine		ws to obtain	a 1 or
								ws to obtain	a 1 or
	Find the	probability	y that it ta	akes at leas	st 3 throws	but no more	than 5 thro	ws to obtain	
	Find the	probability	y that it ta	akes at leas	st 3 throws	but no more	than 5 thro		
	Find the	probability	y that it ta	akes at leas	st 3 throws	but no more	than 5 thro		
	Find the	probability	y that it ta	akes at leas	st 3 throws	but no more	than 5 thro		
	Find the	probability	y that it ta	akes at leas	st 3 throws	but no more	than 5 thro		
	Find the	probability	y that it ta	akes at leas	st 3 throws	but no more	than 5 thro		
	Find the	probability	y that it ta	akes at leas	st 3 throws	but no more	than 5 thro		
	Find the	probability	y that it ta	akes at leas	st 3 throws	but no more	than 5 thro		

On another occasion, this die is thrown 3 times. The random variable X is the number of times that a 1 or a 6 is obtained.

(b)	Draw up the probability distribution table for X .	[3]	
		• • • • • • • • • • • • • • • • • • • •	
		•••••	
		•••••	
		•••••	
(c)	Find $E(X)$.	[2]	
		•••••	
		•••••	
		•••••	
		•••••	
		•••••	
		•••••	
		• • • • • •	