(••)	State the value of $E(X)$.	[1
		•••••
(b)	Find the probability that exactly 5 throws are required to obtain a pair of heads.	[1
		•
(c)	Find the probability that fewer than 7 throws are required to obtain a pair of heads.	
(c)		[2
(c)	Find the probability that fewer than 7 throws are required to obtain a pair of heads.	[2
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