- 6 At a funfair, Amy pays \$1 for two attempts to make a bell ring by shooting at it with a water pistol.
 - If she makes the bell ring on her first attempt, she receives \$3 and stops playing. This means that overall she has gained \$2.
 - If she makes the bell ring on her second attempt, she receives \$1.50 and stops playing. This means that overall she has gained \$0.50.
 - If she does not make the bell ring in the two attempts, she has lost her original \$1.

The probability that Amy makes the bell ring on any attempt is 0.2, independently of other attempts.

now that the probability that Amy loses her original \$1 is 0.64.	[2

(ii)	Complete the probability distribution table for the amount that Amy gains.					[4]
		Amy's gain (\$)				
		Probability	0.64			
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(111)	Calculate Amy'	s expected gain.				[1]
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