1.	Helen believes that the random variable C , representing cloud cover from the large data set, can be modelled by a discrete uniform distribution.	
	(a) Write down the probability distribution for <i>C</i> .	(2)
	(b) Using this model, find the probability that cloud cover is less than 50%	(1)
	Helen used all the data from the large data set for Hurn in 2015 and found that the proportion of days with cloud cover of less than 50% was 0.315	
	(c) Comment on the suitability of Helen's model in the light of this information.	(1)
	(d) Suggest an appropriate refinement to Helen's model.	