

Paper: 1MA1/2F					
Question	Answer	Mark	Mark scheme	Additional guidance	
24	(i)	238	P1	for working with proportion eg $\frac{17}{50} \times 700$ oe	
	(ii)	statement	A1 C1	cao for statement Acceptable Sample is representative (otherwise answer wrong) Random sample (otherwise answer will be different) The 50 people are from the 700 (otherwise not accurate) 17 out of every 50 want a sports bag (otherwise answer will be different / wrong) There is no bias That the other 650 will want the same gifts as the 50 Not acceptable There would be more than 17 people who want the sports bag I rounded my answer 17 out of 50 want a sports bag A repeat of the calculation done in (i) Most of the people would want a sports bag References as what might change in the future (eg a change in membership) That all 700 people wanted a type of gift rather than no gift (otherwise would have changed my answer)	
Q1					

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Question	Answer	Mark	Mark scheme	Additional guidance
22 (i)	65	M1	for working with proportion eg. $10 \div 30 \times 195 (= 65)$	Condone use of 200 for 195
(ii)	statement	A1	cao	
Q2		C1	for statement Acceptable examples sample is representative (otherwise answer wrong) random sample (otherwise answer will be different) the 30 students are from the 195 (otherwise not accurate) 10 out of every 30 want to go to the Theme Park (otherwise answer will be different/wrong) there is no bias Not acceptable examples There would be more than 10 people who want to go to the Theme Park I rounded my answer	

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23	7500	M1	for method to find expected number of model B, eg $\frac{15}{80} \times 40000$ oe	
			or $\frac{15}{"23+15+30+12"} \times 40000$ oe	
Q3		A1	cao	