	Question	Answer	Marks	AO	Guidance
8	(a)	not a simple random sample since each possible sample does not have an equal probability of being selected	B1	2.4	allow " not a simple random sample since each plant does not have an equal probability of being selected" ignore further comments unless contradictory the essential elements of the comment are in bold
			[1]		
8	(b)	18 (shorter than 40 cm) seen	B1	2.1	may be embedded in calculation
		110 (shorter than 80 cm) or 10 (taller than 80 cm) seen	B1	1.1	may be embedded in calculation
		$\frac{92}{120}$ oe or $\frac{28}{120}$ oe	M1	1.1	FT their 18 and their 110; allow M1 for $\frac{91}{120}$ or $\frac{29}{120}$ oe
					or $\frac{75}{100} \times 120 = 90$ oe
		awrt 77% > 75% oe so this supports the (owner's) statement	A1	2.2a	or 92 > 90 so this supports the (owner's) statement; need comparison and comment
			[4]		
8	(c)	 must refer to sample in answer eg since different samples give different results, not all samples would necessarily support owner's statement eg no since another sample may contain all the tallest plants (and/or shortest) eg no since the heights in other samples may be different 	B1	2.4	 ignore superfluous comments referring to eg growing conditions, soil type etc do not allow eg no, conditions different for other plants eg no, different plants on different rows eg no, might be biggest and smallest plants on other rows eg the first sample is not representative
			[1]		