Question			Answer	Marks	AOs	Guidance	
5			Suppose there is a largest prime, [p]	**M1**	**2.1**	Allow 'If there is …' oe	
			Multiply all the primes up to and including [p] and add 1 This number is not divisible by any of the primes				
			Therefore it is prime (and larger than p)	**A1**	**2.3**		
			This is a contradiction (so there is no largest prime)	**A1**	**2.4**	Must mention 'contradiction'	
				[3]			