

Q	Marking Instructions	AO	Marks	Typical Solution
5	Begins checking for factors to start proof by exhaustion or makes a statement about numbers which don't need to be checked	AO3.1a	M1	$\sqrt{23} \approx 4.8$ so only need to check 2 and 3
	<p>Completes rigorous argument, for example: Only need to check primes less than $\sqrt{23}$ 23 is not divisible by 2 or 3 therefore 23 is prime or checks all possible factors or checks more factors than necessary, but argument must be complete.</p>	AO2.1	R1	<p>23 is odd so no need to check 2. 23 is not a multiple of 3</p> <p>\therefore 23 is prime.</p>
	Total		2	