Q	Marking instructions	AO	Marks	Typical solution
8	Uses the addition or subtraction log rule. Condone missing base 10	3.1a	M1	$\log_{10} A + \log_{10} C = \log_{10} AC$ $\log_{10} B^2 = \log_{10} AC$
	Obtains $B^2 = AC$ **OE**	1.1b	A1	$B^2 = AC$
	Completes a reasoned argument to show that the sequence is geometric. For example $\frac{B}{A} = \frac{C}{B}$ or $\frac{A}{B} = \frac{B}{C}$ or If $B = Ar$, $C = Ar^2$ so as $B^2 = A^2r^2$ hence $B^2 = AC$ **and** concludes the sequence is geometric	2.1	R1	$\frac{B}{A} = \frac{C}{B}$ A, B, C is a geometric sequence.
	Question 8 Total		**3**	