

Q1. (2022)

Q	Answer	Mark	Comments
19(b)	2^{13}	B2	B1 2^{3+6+4} or $(8 \Rightarrow) 2 \times 2 \times 2 \text{ or } 2^3$ or $(2^6 \times 2^4 \Rightarrow) 2^{6+4}$ or $(2^6 \times 2^4 \Rightarrow) 2^{10}$ or $2^9 (\times 2^4)$ or $2^7 (\times 2^6)$ or 8192
			Additional Guidance
			8192 and 2^{13} on answer line, in either order B2
			8192 only on the answer line B1
			Correctly combined powers can be implied eg $8 = 2^4$ with answer 2^{14} implies $2^6 \times 2^4 = 2^{10}$ B1
			Evaluations other than 8192 do not score eg 8×1024 without seeing 8×2^{10} B0 eg $8 \times 64 \times 16$ B0
			Do not award B1 for 8192 if it is in a list of powers of 2 unless it is indicated or it is the highest power evaluated
			Changing terms to numbers with a base of 8 scores zero unless converted to a number with a base of 2

Q2. (2023)

Q	Answer	Mark	Comments
3(d)	1000	B1	