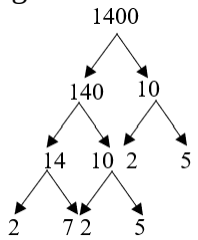
International GCSE Maths

Apart from Questions 1, 6a, 10, 18, 20, 22 and 25 the correct answer, unless clearly obtained by an incorrect method, should be taken to imply a correct method

Values in quotation marks must come from a correct method previously seen unless clearly stated otherwise.

Q	Working	Answer	Mark	Notes
1	eg $2 \times 2 \times 350$ **or** $2 \times 7 \times 100$ **or** $2 \times 5 \times 140$ **or** $5 \times 7 \times 40$ **or** $5 \times 5 \times 56$ **or** $(14 \times 100 =) \ 2 \times 7 \times 100$ **or** $(28 \times 50 = 4 \times 7 \times 50 =) \ 2 \times 2 \times 7 \times 50 =$ **or** 2 | 1400 2 | 700 | 350		3	M1 for 2 correct stages in prime factorisation with 0 incorrect stages or at least 3 stages in prime factorisation with no more than 1 incorrect stage. Each stage gives 2 factors – may be in a factor tree or a table or listed eg 2, 2, 350 (see LHS for examples of the amount of work needed for the award of this mark). Example of 3 stages with 1 incorrect stage: $1400 = 10 \times 14 = 2 \times 5 \times 2 \times 7$
	eg 2, 2, 2, 5, 5, 7 eg 2 | 1400 2 | 700 5 | 350 2 | 70 5 | 35 | 7 eg  			M1 dep on M1 for $2 \times 2 \times 2 \times 5 \times 5 \times 7$ or 2^3, 5^2, 7 or $2^3 + 5^2 + 7$ (Ignore 1's) (may be seen in a fully correct factor tree or ladder)
		$2^3 \times 5^2 \times 7$		A1 dep on M2 (do not allow 1 in the final answer) Can be in any order (allow $2^3 \ . \ 5^2 \ . \ 7$) but must be in index form as asked for.
	Working required			**Total 3 marks**