

Question	Answer	Mark	Mark scheme	Additional guidance
16 (a)	$2 \times 3^2 \times 7$	M1	for a complete factor tree with no more than one arithmetic error or 2, 3, 3, 7	Condone the inclusion of 1 for this mark
(b)	42	A1	accept $2 \times 3 \times 3 \times 7$	
		M1	for a complete factor tree for 210 (or 126 if not credited in part (a)) with no more than one arithmetic error or for listing factors of 126 or 210, at least 4 correct for either (with no more than 1 incorrect in either list), could be in factor pairs or for the prime factors of 210 (2, 3, 5, 7) (or 126 if not credited in part (a))	Condone the inclusion of 1 for this mark 1, 2, 3, 6, 7, 9, 14, 18, 21, 42, 63, 126 1, 2, 3, 5, 6, 7, 10, 14, 15, 21, 30, 35, 42, 70, 105, 210 Prime factors may be seen in a diagram eg a Venn diagram
		A1	accept $2 \times 3 \times 7$ SCB1 for answer of 2 or 3 or 6 or 7 or 14 or 21 if M0 scored	