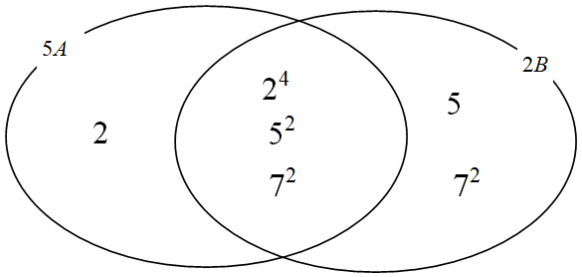
11	(a)		$2^4 \times 5^2 \times 7^2$	2	B2 (B1	for $2^4 \times 5^2 \times 7^2$ oe eg $2 \times 2 \times 2 \times 2 \times 5 \times 5 \times 7 \times 7$ for $2^m \times 5^n \times 7^p$ with 2 of $m = 4$, $n = 2$, $p = 2$ **or** for 19 600 without sight of the correct factorisation **or** a fully correct Venn diagram for 5*A* and 2*B* **or** an answer of $2^3 \times 5 \times 7^2$ oe)
	(b)	$(AB =)2^8 \times 5^4 \times 7^6$ **or** $(A^2 =)2^{10} \times 5^2 \times 7^4$ **or** $(B^2) = 2^6 \times 5^6 \times 7^8$ **or** $\left((AB)^2 =\right)3.5...\times 10^{20}$ oe		2	M1	for a correct product of prime factors for AB **or** A^2 **or** B^2 **or** for $(AB)^2$ evaluated
		Correct answer scores full marks (unless from obvious incorrect working)	$2^{16} \times 5^8 \times 7^{12}$		A1	for $2^{16} \times 5^8 \times 7^{12}$ oe if no other marks are awarded, award SCB1 for $2^c \times 5^d \times 7^f$ with 2 of $c = 16$, $d = 8$, $f = 12$)
						Total 4 marks