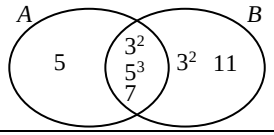
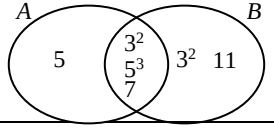
Question		Working	Answer	Mark	Notes	
8	(a)		7875	2	M1 A1	$3^2 \times 5^3 \times 7$ oe or correct Venn diagram
	(b)		3 898 125	2	M1 A1	$3^4 \times 5^4 \times 7 \times 11$ oe or correct Venn diagram
						Total 4 marks

9	(a)		8.4×10^5	1	B1	
	(b)	$\frac{60000000}{0.08}$ or 750000000 oe (e.g $0.75 \times 10^{9)}$	7.5×10^8	2	M1 A1	M1 for 60000000 or 0.08
						Total 3 marks

10		150000×0.82^3	82705	3	M2 A1	If not M2 then M1 for 1st year e.g 150000 x 0.82 (= 123000) or 150000 x 0.18 (= 27000) SC B1 for 150000 x 1.18 (= 177000) or 150000×1.18^3 (= 246454.8)or 150000 x 0.54 (=81000) or 150000 x 0.46 (= 69000) Accept 82705.2
						Total 3 marks

11		Gradient = (−)4 ÷ 2 oe	$y = -2x - 1$ oe	3	M1 A2	Correct method to work out the gradient (±) accept 4 ÷ 2 oe or "m" = 2 If not A2 then A1 for $L = -2x - 1$ or $-2x - 1$ or $y = 2x - 1$ or $y = -2x + c$
						Total 3 marks