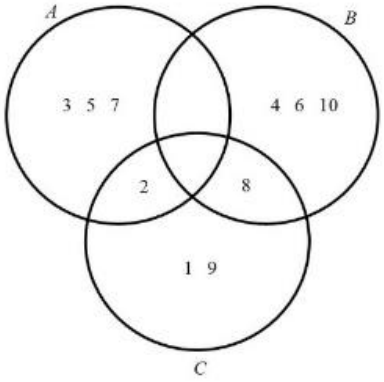
			Correct bisector with arcs	2	A1
					Total 2 marks

3	(a)	**Examples** There are no members that are in both *A* and *B* No members in common (in *A* and *B*) No numbers the same (in *A* and *B*) *B* has even numbers. *A* has odd numbers except 2 which is not in *B* Nothing in *A* is in *B* oe No overlap A and B don't share any numbers	Correct statement	1	B1 for a statement which indicates correct meanings for intersection and empty set
	(b)		1 and 9	1	B1
	(c)	e.g.  	1, 2, 8, 9	2	B2 for fully correct (B1 for 3 or 4 correct with no more than one addition or a fully correct Venn diagram)

					Total 4 marks

4		$\pi \times 7^2 \times 20$ (= 3078.76…) **or** 980π			M1 for complete method to find volume
			3080	2	A1 for answer in range 3077.2 − 3080
					Total 2 marks
5	(a)	4 × 120 (= 480)			M1
		e.g. 120 ÷ 2 × 5 (= 300) **or** 120 × 0.4 × 7 (= 336) **or** (120 – '60' – '48') × 8 (= 96) **or** 120 × 0.1 × 8 (= 96)			M1 for a method to find the income for one of the selling prices
		e.g. (120 ÷ 2 × 5) + (120 × 0.4 × 7) + ((120 – '60' – '48') × 8) (= 732) **or** (120 ÷ 2 × 5) + (120 × 0.4 × 7) + (120 × 0.1 × 8) (= 732) **or** '300' + '336' + '96' (= 732)			M1 for a complete method to find the total income
		e.g. $\frac{'732' - '480'}{'480'} \times 100$ **or** '252' ÷ '480' × 100 **or** $\left(\frac{'732'}{'480'} \times 100\right) - 100$ or 152.5 – 100 **or** $\left(\frac{'732'}{'480'} - 1\right) \times 100$ or 0.525 × 100			M1 for a complete method to find the percentage profit
			52.5	5	A1 accept 53
	(b)	e.g. 1 + 0.2 (= 1.2) **or** 100(%) + 20(%) (= 120(%)) **or**			M1