					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

		$\frac{15}{120}$ (= 0.125) oe			
		e.g. 15 ÷ 1.2 **or** 15 ÷ 120 × 100 **or** 15 × 100 ÷ 120			M1 dep
			12.5(0)	3	A1 accept (£)12.5, (£)12.50p, 1250p if the £ sign is crossed out
					Total 8 marks

5 ALT	(a)	4 × 120 (= 480)			M1
		e.g. 120 ÷ 2 × 1 (= 60) **or** 120 × 0.4 × 3 (= 144) **or** (120 – '60' – '48') × 4 (= 48) **or** 120 × 0.1 × 4 (= 48)			M1 for a method to find the profit of one of the books
		e.g. (120 ÷ 2 × 1) + (120 × 0.4 × 3) + ((120 – '60' – '48') × 4) (= 252) **or** (120 ÷ 2 × 1) + (120 × 0.4 × 3) + (120 × 0.1 × 4) (= 252) **or** '60' + '144' + '48' (= 252)			M1 for a complete method to find the total profit
		'252' ÷ '480' × 100 oe			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** $\frac{15}{120}$ (= 0.125) oe			M1
		e.g. 15 ÷ 1.2 **or** 15 ÷ 120 × 100 **or** 15 × 100 ÷ 120			M1 dep
			12.5(0)	3	A1 accept (£)12.5, (£)12.50p, 1250p if the £ sign is crossed out
					Total 8 marks