

Question	Answer	Marks	AO Element	Notes	Guidance
1	34	2		M1 for $\frac{BC}{4} = \frac{51}{6}$ oe or better	
2	576	4		M1 for $\frac{1458}{3456}$ or $\frac{3456}{1458}$ M1 dep for $\sqrt[3]{\text{their fraction}}$ M1 for $(\text{their cube root})^2$	
3(a)	7.5	2		M1 for $[10] \times \frac{6}{8}$ oe	
3(b)	12 cao	2		M1 for $9 \times \frac{8}{6}$ oe or $9 \times \frac{10}{\text{their } (a)}$	
4(a)	12 nfww	2		M1 for $\frac{x}{75} = \frac{10}{6.25}$ oe	
4(b)	3.75 cao	2		M1 for $\frac{y}{6} = \frac{6.25}{10}$ oe	

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5	460	2		B1 for $1 \text{ cm}^2 : 100 \text{ km}^2$ oe or M1 for $4.6 \times 1\,000\,000^2 \div 100\,000^2$ oe seen	
6	80	2		M1 for $\left(\frac{12}{3}\right)^2$ or $\left(\frac{3}{12}\right)^2$ oe or $\frac{3^2}{5} = \frac{12^2}{A}$ oe	
7	1.8	2		M1 for $\frac{10}{8} = \frac{9}{AP}$ oe	
8	10.3 or 10.31 to 10.32	3		M2 for $13 \times \sqrt[3]{\frac{0.25}{0.5}}$ oe or M1 for $\sqrt[3]{\frac{0.5}{0.25}}$ oe or $\sqrt[3]{\frac{0.25}{0.5}}$ oe or $\frac{0.5}{0.25} = \left(\frac{13}{h}\right)^3$ oe	
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