

Question		Working	Answer	Mark	Notes	
17	(a)	eg $\frac{16.1}{48}$ [= 0.335] or $\frac{1610}{48}$ or $\frac{16.1}{12\cancel{25}} \text{ or } \frac{x}{16.1} = \frac{1}{48} \text{ or } \frac{x}{1610} = \frac{1}{48}$ or $\frac{x}{16.1} = \frac{25}{12}$ oe		2	M1 correct method or equation to find length in m or cm. Implied by 0.335	
		<i>Correct answer scores full marks (unless from obvious incorrect working)</i>	33.5		A1 awrt 33.5	
	(b)	48^3 [= 110 592] or 0.48^3 [= 0.110 592]		3	M1 Consideration of cube of scale factor seen. eg $\left(\frac{16.1}{(a)}\right)^3$ or $\left(\frac{1610}{(a)}\right)^3$ or $\frac{995}{V} = \frac{(a)^3}{1610^3}$	M2 for $\frac{995}{100^3} \times 48^3$
		$\frac{995}{100^3}$ [= 0.000995] or [995×"110 592"]÷100 ³ 0.48^3 [= 0.110 592]			M1 for unit conversion by dividing by 100 ³	
		<i>Correct answer scores full marks (unless from obvious incorrect working)</i>	110		A1 awrt 110	
					<i>Total 5 marks</i>	