17	$M = kh^3$ oe or $4 = k \times 0.5^3$ oe		4	M1 $k \neq 1$ and where k could be any letter	M2 for $\frac{500}{4} = \frac{h^3}{0.5^3}$ oe or 125×0.5^3 (= 15.625) oe
	$k = \frac{4}{0.5^3}$ or $k = \frac{4}{0.125}$ or $k = 32$			M1 Allow this for M2 if $M = kh^3$ is not written	
	$h = \sqrt[3]{\frac{500}{"32"}}$ or $\sqrt[3]{\frac{500 \times 0.5^3}{4}}$ or $\sqrt[3]{15.625}$ or $h = 5 \times 0.5$			M1 for a correct expression for h using correct values or a value of k from a completely correct method	
		2.5		A1 oe	
					Total 4 marks

18	7.45, 7.55, 3.415, 3.425, 1.5, 2.5		3	B1 For one correct upper or one correct lower bound Allow $7.54\dot{9}$ for 7.55, $3.424\dot{9}$ for 3.425, $2.4\dot{9}$ for 2.5	
	$(X =)\frac{2 \times 7.55 - 3.415}{1.5}$ oe eg $\frac{11.685}{1.5}$			M1 $\frac{2 \times UB_a - LB_b}{LB_f}$ where $7.5 < UB_a \leq 7.55$, $3.415 \leq LB_b < 3.42$, $1.5 \leq LB_f < 2$ (also award this mark for $\frac{7.55 - 3.415}{1.5}$ or $\frac{2(7.55 - 3.415)}{1.5}$)	
		7.79		A1 must be from correct working	
					Total 3 marks