17	eg $2^3 : 3^3$ **or** $8 : 27$ **or** $10^3 : 15^3$ oe **or** $\left(\frac{15}{10}\right)^3$ **or** $1.5^3 (= 3.375)$ **or** $\left(\frac{3}{2}\right)^3 \left(= \frac{27}{8}\right)$ **or** $\left(\frac{10}{15}\right)^3$ **or** $\left(\frac{2}{3}\right)^3 \left(= \frac{8}{27}\right)$		4	M1	for a correct ratio or scale factor for the volumes
	eg $\frac{1197}{27-8}$ **or** $\frac{1197}{15^3 - 10^3}$ **or** $\frac{27}{8}V_A - V_A = 1197$ oe **or** $\frac{19}{8}V_A = 1197$ oe			M1	for a correct method to find the value of 1 share of volume **or** for setting up a correct equation using the scale factor for the volumes
	eg $8 \times \frac{1197}{27-8}$ **or** $10^3 \times \frac{1197}{15^3 - 10^3}$ **or** $\frac{8}{19} \times 1197$ oe			M1	complete correct method to find volume of vase **A**
		504		A1	
					Total 4 marks

18	3.445, 3.455, 1.85, 1.95, 4.5, 5.5		3	B1	any one bound
	$(A =)\ 3.445 - \frac{1.95^2}{4.5}$			M1	$A = LB_W - \frac{(UB_x)^2}{LB_y}$ where $3.445 \leq LB_w < 3.45$, $1.9 < UB_x \leq 1.95$, $4.5 \leq LB_y < 5$
		2.6		A1	oe, (dep on M1), from correct figures (3.445, 1.95, 4.5)
					Total 3 marks