25	255 or 265 or 2.85 or 2.75		4	B1	for sight of a correct upper or lower bound
	$(V =)\ \frac{4}{3}\pi\times(2.75)^3$ $(=\frac{1331}{48}\pi$ or 87.1137….)			M1	calculation to find V using $V=\frac{4}{3}\pi r_{LB}{}^3$ where $2.75\le r_{LB}<2.8$ or use of 2.85
	$(D =)\ \frac{265\pi}{\frac{4}{3}\times\pi\times2.75^3}$ (condone missing π for 265π (also may have cancelled out π))			M1	method to find UB of density, using LB of V and UB of M for correct substitution into $D=\frac{\pi M_{UB}}{V_{LB}}$ where $260<M_{UB}\le265$ **and** $87.11...\le V_{LB}<91.95...$ oe
		9.56		A1	dep on M2 and all correct bounds used allow 9.55 - 9.56
					Total 4 marks

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