1	eg		5	M1	M2 for
	$4\pi R^2 = 9 \times 4\pi r^2 \text{ oe or}$				(vol SF =) 27 or $\frac{1}{27}$ or
	R = 3r oe or 1:3 or 3:1 or 3 or $\frac{1}{3}$			M1 (a correct scale factor of 3 or $R = 3r$ oe implies the first M1)	3^3 or $\frac{1}{3^3}$
	eg $\frac{4}{3}\pi(3r)^3 - \frac{4}{3}\pi r^3 = 117\pi \text{ oe or}$ $\frac{4}{3}\pi r^3 - \frac{4}{3}\pi \left(\frac{1}{3}r\right)^3 = 117\pi \text{ or}$ $27 \times \frac{4}{3}\pi r^3 - \frac{4}{3}\pi r^3 = 117\pi \text{ oe or}$ $\frac{4}{3}\pi r^3 - \frac{1}{27} \times \frac{4}{3}\pi r^3 = 117\pi \text{ oe or}$ oe				π or $ au$ oe or
	$ (r =) \sqrt[3]{\frac{117 \times 3}{104}} \left(= \sqrt[3]{\frac{27}{8}} \right) \text{ or } $ $ (R =) \sqrt[3]{\frac{117 \times 81}{104}} \left(= \sqrt[3]{\frac{729}{8}} = \frac{9}{2} \right) $			M1 dep on previo	us M mark
	Working required	$\frac{3}{2}$		A1 oe dep on M2	
				·	Total 5 marks