Question	Working	Answer	Mark	Notes
16	$1-\frac{98}{125}\left(=\frac{27}{125}\right)$ **or** 0.216 **or** 125 – 98 (=27) $\sqrt[3]{"\frac{27}{125}"}\left(=\frac{3}{5}\right)$ **or** $\sqrt[3]{"\frac{125}{27}"}\left(=\frac{5}{3}\right)$ $1-"\frac{3}{5}"$ **or** $h-"\frac{3}{5}"h$ oe	$\frac{2}{5}h$ oe	4	M1 M1 for the length scale factor may be seen as a ratio E.g. 3 : 5 M1 A1 for $\frac{2}{5}h$ oe (may not be simplified)
	Alternative scheme $\frac{1}{3}\pi r^2h-\frac{1}{3}\pi(kr)^2kh = \frac{98}{125}\times\frac{1}{3}\pi r^2h$ oe $k=\frac{3}{5}$ $1-"\frac{3}{5}"$ **or** $h-"\frac{3}{5}"h$ oe	$\frac{2}{5}h$ oe	4	M1 sets up an equation using scale factor M1 for the length scale factor M1 A1 for $\frac{2}{5}h$ oe (may not be simplified)