Question	Working	Answer	Mark	Notes	
15	Eg $\frac{4\pi r^2}{2}\left(+\pi r^2\right) = 2\pi(2r)h$ oe			M1	for use of, for example, r and $2r$ in an equation condone omission of flat surface area
	$h=\frac{3}{4}r$ **or** $r=\frac{4}{3}h$			A1	for a correct expression for either r or h
	Eg $\frac{1}{2}\times\frac{4}{3}\times\pi\times r^3$ **and** $\pi\times(2r)^2\times"\frac{3}{4}r"$ **OR** $\frac{1}{2}\times\frac{4}{3}\times\pi\times\left("\frac{4}{3}h"\right)^3$ **and** $\pi\times(2\times"\frac{4}{3}h")^2\times h$			M1	dep on award of first M1 ft for candidate's expression for r or h for correct expressions for volume of hemisphere and volume of cylinder ; both in terms of either r or h
		4.5 oe	4	A1	