24	eg $\frac{4}{3}\pi r^3 \div 2 (= \frac{2}{3}\pi r^3)$ oe		6	M1	for finding the volume of hemisphere
	eg $\frac{1}{3}\pi(kr)^2 kh \ - \ \frac{1}{3}\pi r^2 h (= \frac{1}{3}\pi r^2 h(k^3 - 1))$ oe			M1	for finding the volume of the frustum
	eg $\frac{1}{3}\pi r^2 h(k^3 - 1) + \frac{2}{3}\pi r^3$ **or** $\frac{1}{3}\pi r^2 h + \frac{2}{3}\pi r^3$ oe			M1	for a correct expression for the volume of Solid **A or** Solid **B**
	eg $\frac{1}{3}\pi r^2 h(k^3 - 1) + \frac{2}{3}\pi r^3 = 6\left(\frac{1}{3}\pi r^2 h + \frac{2}{3}\pi r^3\right)$ oe			M1	for a correct equation using the volumes of Solid **A** and Solid **B** (π could be cancelled out)
	eg $h(k^3 - 1) - 6h = 12r - 2r$ oe			M1	for simplifying to a point where the h terms are on one side of an equation and other terms the other side – must be correct
	NB: note that simplest form was not required	$\frac{10r}{k^3 - 7}$		A1	oe eg $\frac{4r - \frac{2}{3}r}{\frac{1}{3}k^3 - 2\frac{1}{3}}$
					Total 6 marks