6	(a)	$\pi \times 8^2 \times h = 1208$ oe **or** $\frac{1208}{\pi \times 8^2}$ oe		2	M1	for setting up an equation in *h* using the volume of the cylinder **or** a correct calculation for *h* (may be seen in stages)
		Correct answer scores full marks (unless from obvious incorrect working)	6		A1	accept 6 – 6.02
	(b)	$\frac{m}{1208} = 1.25$ oe **or** (*m* =) 1208 × 1.25 (= 1510)		2	M1	for setting up an equation using *D* = *M* / *V* **or** for a calculation to find the mass (may convert mass to kg first)
		Correct answer scores full marks (unless from obvious incorrect working)	1.51		A1	
						Total 4 marks