Question number	Answer	Notes	Marks
4 (a) (i)	0.717; N;	allow 0.7, 0.72, 0.70, 0.703 allow newton(s) condone n marks are independent	2
(ii)	density = mass / volume;	allow symbols, e.g. $\rho$ = m/V, d = m/V or rearrangements	1
(iii)	substitution OR rearrangement; evaluation; e.g.	-1 for POT error	2
	$8960 = 0.0717 / V \text{ OR } V = m / \rho$ $(V =) 8.00 \times 10^{-6} \text{ (m}^3)$	allow $8 \times 10^{-6}$ , $8.002 \times 10^{-6}$ answer does not need to be in standard form e.g. $0.000008$ (m <sup>3</sup> ) gets both marks	
(b) (i)	bar chart / bar graph;	accept column graph condone histogram	1
(ii)	steel is more dense; OR granite is less dense;		2
	steel is (approximately) 3× denser;	allow ratio of densities in range 2.8-3.1 ignore comparison of masses accept correct values of both densities for 2 marks e.g. steel = 7900 kg/m³ granite = 2700 kg/m³ tolerance ±100 on each	