Question number		Answer	Notes	Marks
2 (a)		10 000; N;	allow 9800, 9810, 10 ⁴ allow "newton(s)" marks are independent	2
(b)	(i)	density = mass / volume;	allow abbreviation, e.g. ρ = m/V, d = m/V or rearrangements	1
	(ii)	substitution OR rearrangement; evaluation;	award if either seen in working	2
		e.g. 2300 = 1000/volume = 0.43 (m ³)	allow 0.4, 0.434, 0.435, 0.4347 condone 0.44	
(c)	(i)	bar chart / bar graph;	condone histogram	1
	(ii)	any 1 from: MP1.idea that (density) data is discontinuous; MP2.materials have non-numerical values / are not quantifiable; MP3.material types identified as categories; MP4.idea that a line graph would indicate continuity;	discrete, categoric, non/not continuous	1
	(iii)	cork is less dense OR water is denser; cork 25%, ¼ as dense OR water four times denser;	accept correct calculation of both densities for 2 marks	2

Total 9 marks