

Question number	Answer	Notes	Marks
11 (a)	Mass of cylinder + unit = 325 ; Mass of cylinder = 106 ; Mass of liquid in cylinder = 219 ; Volume of liquid = 176 ; Mass unit: g ; Volume unit: cm^3 / ml ;	ACCEPT: ecf on M1 and M2 ACCEPT: either unit used appropriately at least once	6
(b)	Any two from: equation; correct substitution made or correct mass indicated; density = between 1.24 and 1.25; density unit (g/cm^3 OR g/ml);	ecf from 11(a) Correct and consistent alternative e.g. 1240 kg/m^3 1.24 kg/dm^3	2
(c)	Any two from: more sensitive equipment ; check balance zero ; calibrate any equipment ; avoid parallax when reading measuring cylinder / bottom of meniscus ; use larger volume of liquid ;	ACCEPT: measure to more dp / use burette IGNORE: repeat experiment IGNORE: refs to "use more accurate..."	2

Total 10 marks