Question number	Answer	Notes	Marks
4 (a) (i)	pressure = force ÷ area;	allow rearrangements and standard symbols e.g. p = F ÷ A	1
(ii)	calculation of total weight; substitution and rearrangement; evaluation; e.g. 0.432 (= 0.072 x 6) (area =) 0.432 / 820 (area =) 0.000 53 (m^2)	 (0.072 x 6) / 820 0.000 52683 (m^2) 5.2683×10^{-4} (m^2) allow 0.0005 (m^2) 0.000 0878 (m^2) gains 2 marks POT error loses a mark	3
(b) (i)	pressure decreases; (because) area (in contact with table) increases / weight (over the same area) decreases;	accept quantitative method	2
(ii)	density remains constant; (because) mass of squares AND volume of squares is the same;	density not affected allow because the material is the same	2

Total for question 4 = 8 marks