

Question	Answer	Marks	AO Element	Notes	Guidance
1	(weight =) 50 (N) (1) (weight =) mass × g OR 5 × 10 (1)	2			
2	75 (kg) (1) 750 ÷ 10 (1) W = mg OR (m =) W ÷ g OR W ÷ 10 in any form (1)	3			
3	620 N	1			
4	(weight =) 8.4 (N) (1) (weight =) mass × g OR 0.84 × 10 (1)	2			
5(a)	400 (1) 4000 ÷ 10 OR 4000 ÷ 9.8 (1) (mass =) weight ÷ g OR weight ÷ 10 OR weight ÷ 9.8 in any form (1)	3			

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5(b)	500 (1) 1000 ÷ 2.0 OR 4000 ÷ (4 × 2.0) (1) (pressure =) force ÷ area in any form (1) N/m ² OR Pa (1)	4			
6	(weight =) mass × g OR 1.6 × 10 OR mass = W ÷ g (1) (weight =) 16 (N) (1)	2		(weight =) 16 (N) gains 2 marks	
7	400 (g) = 0.4 (kg) (1) $w = m \times g$ in any form (1) 0.4 × 10 (1) (weight) = 4(.0) (N) (1)	4			
8	78 N (3) OR ALLOW (m=) ρV OR $\rho = m / V$ in any form (1) $W = mg$ (1)	3			

[Total: 24]