Question number		Answer	Notes	Marks
8 (a)		Centre of gravity;	Accept 'Centre of Mass'	1
(b)	(i)	Moment = force x (perpendicular) distance;	Condone M = f x d	1
	(ii)	Any correct moment; i.e. 2.1 x 0.28 or W x 0.032	Allow calculation performed in cm	4
		Evidence of use of principle of moments; i.e. 2.1 x 28 = W x 3.2		
		Re-arrangement ; i.e. W = 2.1 x 28 /3.2		
		Evaluation; W = 18 (N)	Accept unrounded 18.375, 18.4 N.	
			Condone for 1 mark statement of principle of moments.	