	Questio		Answer	Notes	Marks
5	(a)		A method involving a suitable measurement or comparison; An appropriate check for horizontality; e.g.: measure height between ruler and bench in several places; height readings consistent; OR set a marker level with pivot; same height as end of ruler; OR place spirit level on ruler; bubble should be central; OR measure angle between stand and ruler; check for right angle	Allow assumption that bench is horizontal and /or stand is vertical Allow alternative methods and checks that would work	2
	(b)	(i)	moment = force x (perpendicular) distance (from pivot)	or equivalent	1
		(ii)	2 x 60 / 2 x 0.6; 120 / 1.2; N cm / N m;		3
	(c)	(i) (ii)	mass / weight of ruler; weight acts downwards /increases (clockwise) moment; off scale on the forcemeter	Allow: idea that forcemeter also supports ruler	1