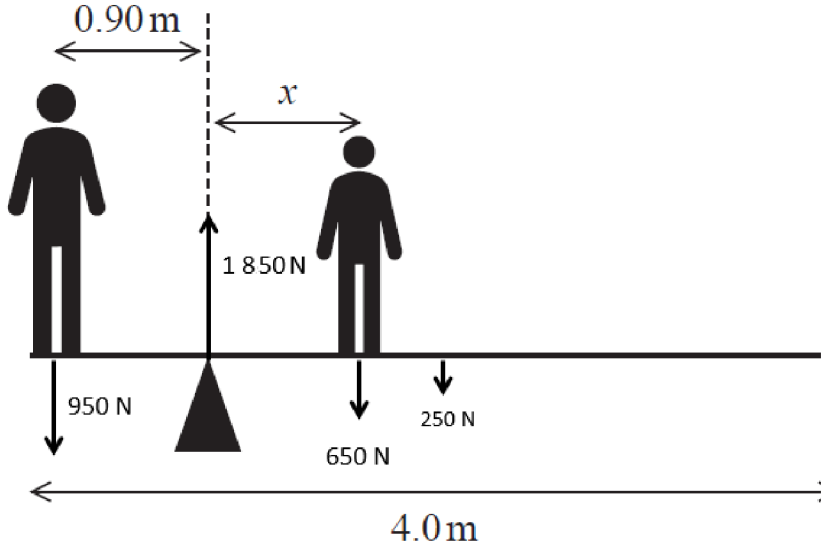


Question Number	Answer	Mark
11(a)	<ul style="list-style-type: none"> Three downward arrows to show the forces of the people and the weight of the plank (1) Upward arrow to show reaction/contact/value force at the pivot. (1) 	2
11(b)	<ul style="list-style-type: none"> Use of moment = Fx (1) Application of principle of moments (1) $x = 0.89 \text{ m}$ (1) <p><u>Example of calculation</u></p> $x = (0.9 \text{ m} \times 950 \text{ N} - 1.1 \times 250) / 650 \text{ N} = 0.89 \text{ m}$	3
	Total for question 11	5