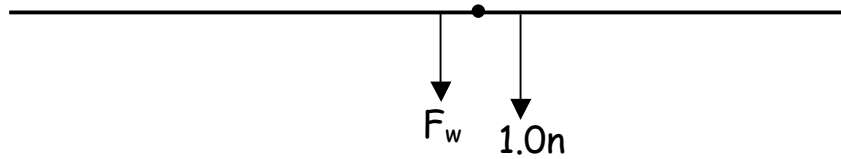


Draw and label a force diagram, including pivot point, all forces acting on the meter stick, and lever arms:



Pivot Point is at the _____ cm mark.

	F_{\perp} (n)	position (cm)	r (cm)
hanging object	1.0		
meter stick	$F_w = ?$		

Since the meter stick is balanced, it is in _____ .
Therefore:

$$T_{CW} = T_{CCW} \quad \text{or}$$

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}}_{CW} = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}_{CCW}$$

Use the experimental data to solve for the weight of the meter stick:

calculated $F_w =$ _____

