P129. Calculating Work, Problem 2

Table 1. Data	
Rise (m)	
Hypotenuse (m)	
Angle (^{o})	
Coefficient of kinetic friction	
Weight of box (N)	
Mass added to box (kg)	
Total weight (box + masses) (N)	
Scale reading, T_u (N)	
Scale reading, T_d (N)	
Distance along plane, d (m)	

Table 2. Pulling the box up the plane			
Force	F-d diagram	Symbolic expression for work done by the force	Calculated value of work done by the force (Nm)
N			
mg			
T			
f_k			
F_{net}			

Table 3. Pulling the box down the plane			
Force	F-d diagram	Symbolic expression for work done by the force	Calculated value of work done by the force (Nm)
N			
mg			
T			
f_k			
F_{net}			