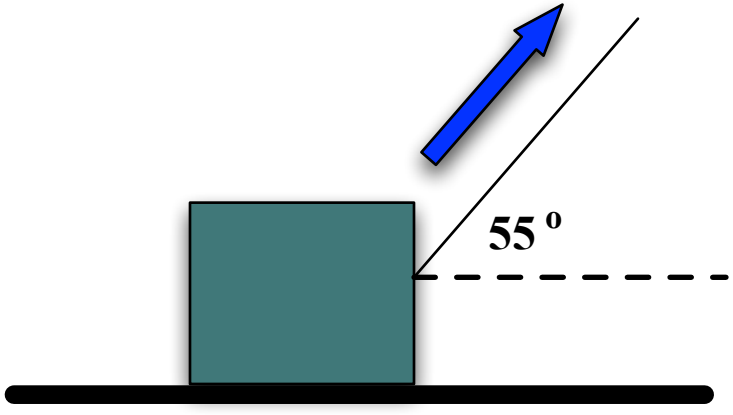
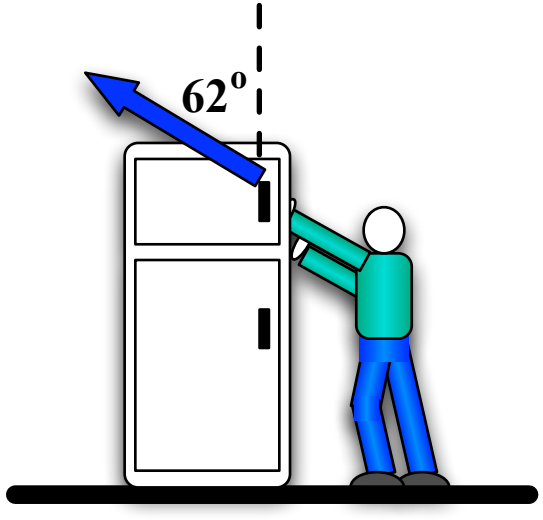
Break the named force into its x and y components. Draw arrows to represent those components and label them.



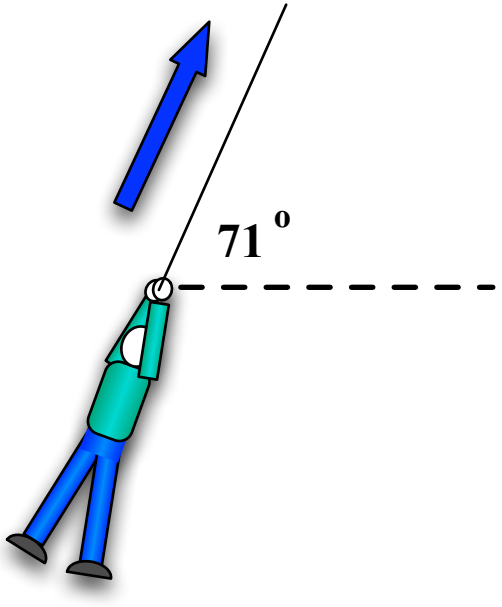
The Tension in the string is 40 N

Break the named force into its x and y components. Draw arrows to represent those components and label them.

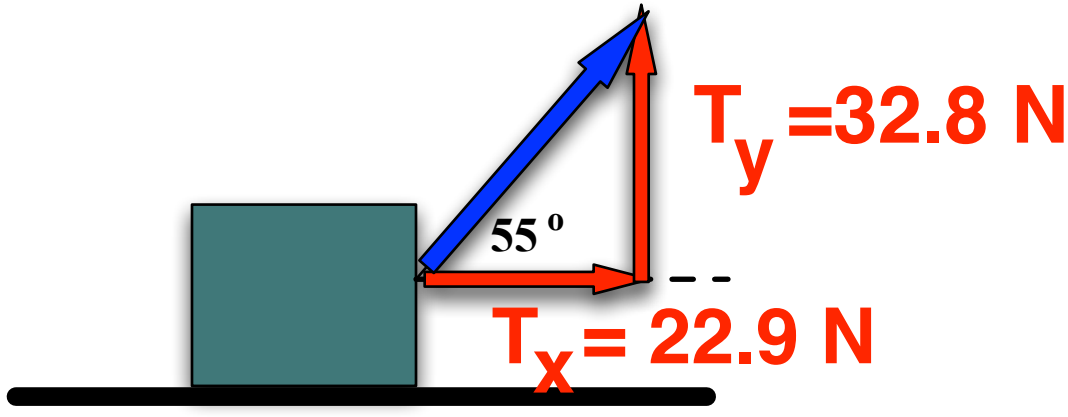


The person pushes with a force of 110 N

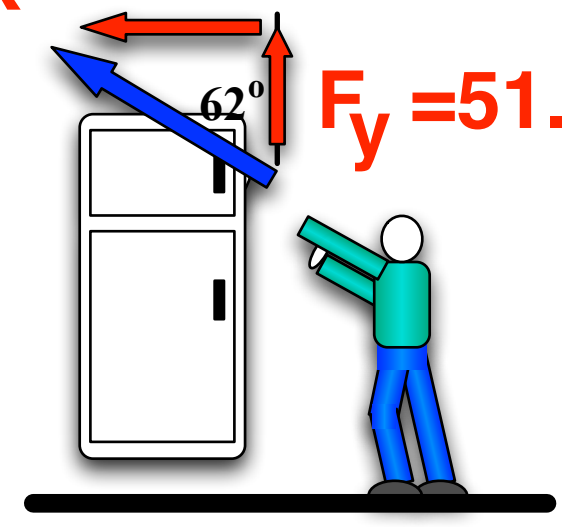
Break the named force into its x and y components. Draw arrows to represent those components and label them.



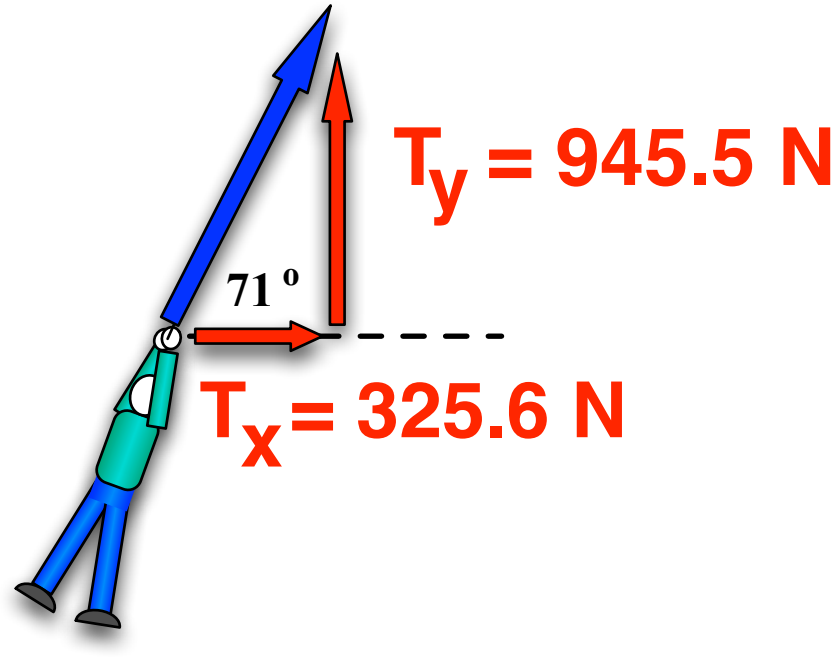
The person is hanging on to a rope attached to a helicopter moving to the right. Tension in the rope is 1000 N


55 °
T_y =32.8 N
T_x = 22.9 N

$F_x = 97.1$ N



$F_y = 51.6$ N


$T_y = 945.5$ N
71 °
$T_x = 325.6$ N