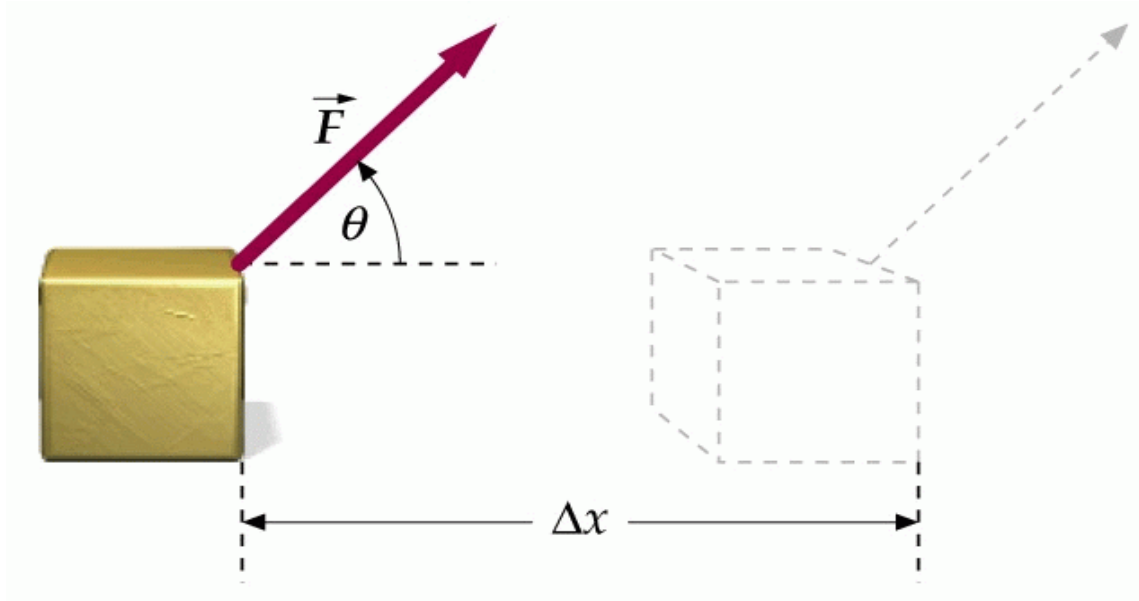


**Ex :** To pull a **50 kg** crate across a frictionless floor, a worker applies a force of **210 N**, directed  $20^\circ$  above the horizontal.

As the crate moves 3.0 m along the floor, what work is done on the crate by:



a) The worker's force?

b). The weight of the crate?

c). The normal force?

d). What is the total work done on the crate?