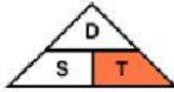


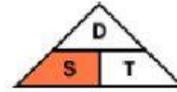
Calculating Net force, Speed, Time, Distance



$$\text{Distance} = \text{Speed} \times \text{Time}$$



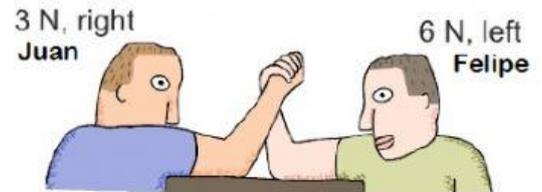
$$\text{Time} = \frac{\text{Distance}}{\text{Speed}}$$



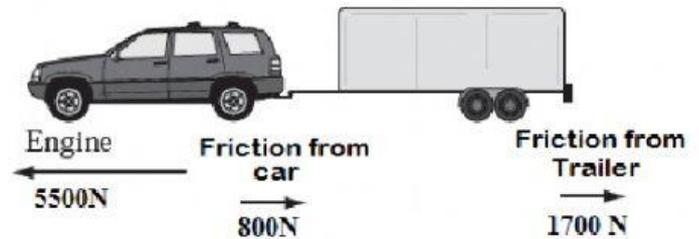
$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

Directions: Use the equation above to answer the following questions. Show your work and include the units.

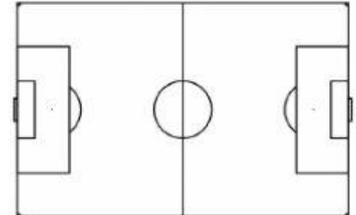
- Juan and Felipe are hand wrestling. Who will win? By how much force will he will? And in which direction? Show how you got your answer.



- The car wants to haul a mobile refrigerator. Does the engine produce enough force to make it move? With what force will it be moving?



- A football field is about 100 m long. If it takes a person 20 seconds to run its length, how fast (what speed) were they running?



- The pitcher's mound in baseball is 85 m from the plate. It takes 4 seconds for a pitch to reach the plate. How fast is the pitch?

