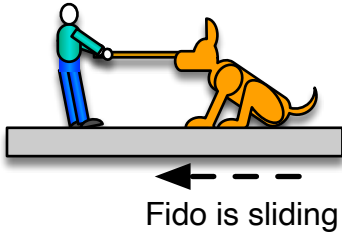


Review for Quiz

Fido doesn't want to go for a walk! There is 60 N of tension in the leash. Fido weighs 500 N. The coefficient of friction between Fido's paws and the ground is 0.1.

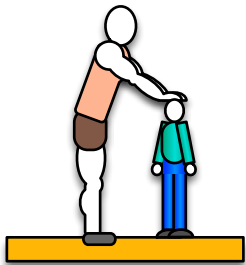
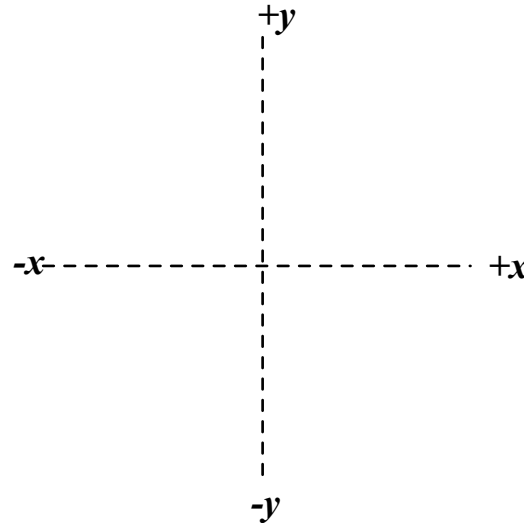


x: F_{net}

y: F_{net}

- ☐ Fido is slowing down.
- ☐ Fido is speeding up.
- ☐ Fido's speed is constant.

- ☐ Fido is slowing down.
- ☐ Fido is speeding up.
- ☐ Fido's speed is constant.

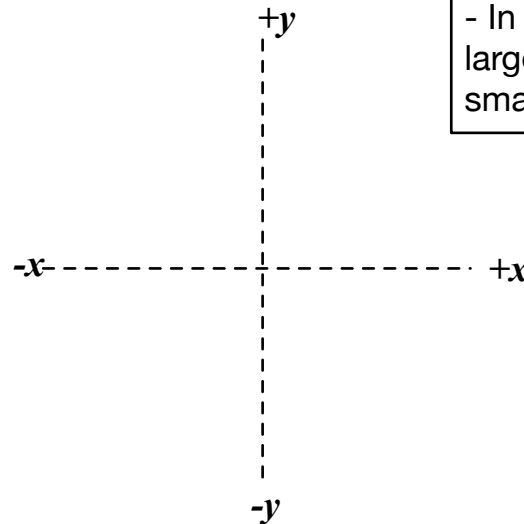


The small person weighs 500 N.
The large person pushes downward with a force of 100 N.
The small person is at rest and staying at rest.

Fill in the force diagram and determine the Normal Force on the small person.

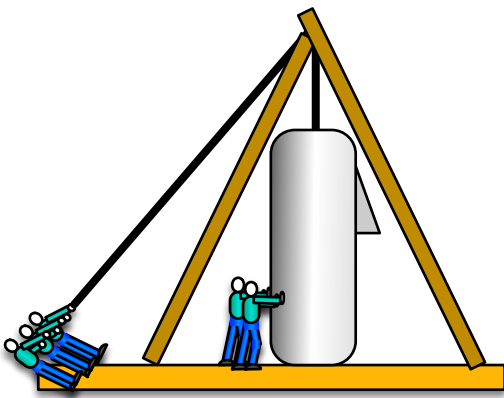
y: F_{net}

- ☐ The small person is slowing down.
- ☐ The small person is speeding up.
- ☐ The small person's speed is constant.



For the Schoology Quiz, do you know...

- The forces during bungee jumping?
- The forces during skydiving?
- In which situations the Normal is larger than the weight? In which is it smaller?



statue is sliding

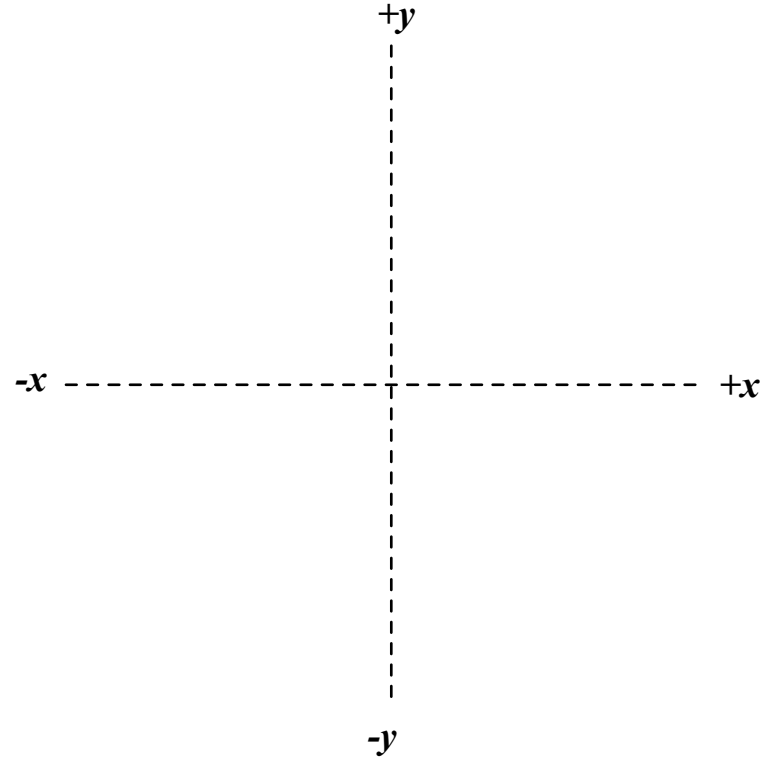
The statue weighs 30,000 N.
 The people put 6,000 N of tension in the rope.
 The other people push the statue to the right with a force of 1,000 N. The coefficient of friction for the statue and ground is 0.5.

Put arrows & labels for all forces on the diagram.

Determine the Normal Force.

Determine Friction.

Determine the Net Forces and the motion in each direction.



x: F_{net}

y: F_{net}

- ☐ The statue is slowing down.
- ☐ The statue is speeding up.
- ☐ The statue's speed is constant.

- ☐ The statue is slowing down.
- ☐ The statue is speeding up.
- ☐ The statue's speed is constant.