

Week 5 Weight & Normal

Weight problems A

Fnet	direction

- staying stopped.
- constant speed.
- gaining speed.
- losing speed.

The force of gravity (weight) on the man is 500 N, but he is supported by a force of 500 N upward from the ground.

was not moving

Fnet	direction

- staying stopped.
- constant speed.
- gaining speed.
- losing speed.

The force of gravity (weight) on the man is 500 N, but he is lifted off the ground by 700 N of Tension upward from a rope.

Week 5 Weight & Normal

Weight problems B

Fnet	direction

- staying stopped.
- constant speed.
- gaining speed.
- losing speed.

The force of gravity (weight) on the man is 400 N, but he is supported by a force of 400 N upward from the ground.

was not moving

Fnet	direction

- staying stopped.
- constant speed.
- gaining speed.
- losing speed.

The force of gravity (weight) on the man is 400 N, but he is lifted off the ground by 700 N of Tension upward from a rope.

Fnet	direction

- staying stopped.
- constant speed.
- gaining speed.
- losing speed.

The man lets go of the rope. He still weighs 500 N, but now experiences 300 N of Drag upward from the air as he falls.

Fnet	direction

- staying stopped.
- constant speed.
- gaining speed.
- losing speed.

The man still weighs 500 N, but now experiences 900 N of force upward from the poofy pad that someone thankfully put on the ground.

Fnet	direction

- staying stopped.
- constant speed.
- gaining speed.
- losing speed.

The man lets go of the rope. He still weighs 400 N, but now experiences 300 N of Drag upward from the air as he falls.

Fnet	direction

- staying stopped.
- constant speed.
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The man still weighs 400 N, but now experiences 900 N of force upward from the poofy pad that someone thankfully put on the ground.