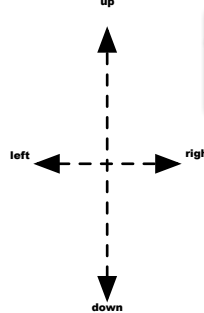


Week 5 Weight & Normal

Normal Problems A

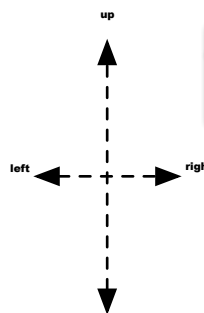


Fnet	direction

Person at rest.

The person **weighs 800 N**. The floor gives a **surface normal force of 800 N**. What will happen?

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

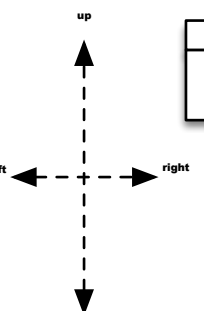


Fnet	direction

Person at rest.

The person **weighs 800 N**. If the floor suddenly gave a **surface normal force of 900 N**. What would happen?

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



Fnet	direction

Person at rest.

The person **weighs 800 N**. If the floor suddenly gave a **surface normal force of 600 N**. What would happen?

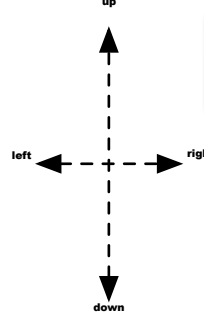
- staying stopped.
- constant speed.
- gaining speed.
- losing speed.

Estimate how much Surface Normal Force the floor of this room is pushing with right now.

- Chair mass = 8 kg
- Table mass = 18 kg
- Person mass from 50 kg to 100 kg
- Cart with all the books = 150 kg

Week 5 Weight & Normal

Normal Problems B

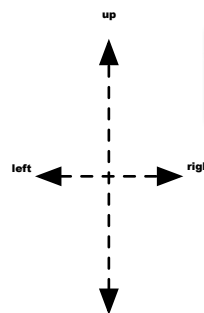


Fnet	direction

Person at rest.

The person **weighs 600 N**. The floor gives a **surface normal force of 600 N**. What will happen?

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

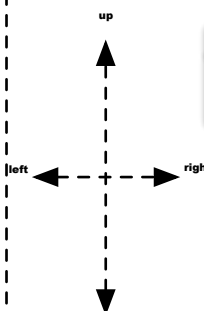


Fnet	direction

Person at rest.

The person **weighs 600 N**. If the floor suddenly gave a **surface normal force of 400 N**. What would happen?

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



Fnet	direction

Person at rest.

The person **weighs 600 N**. If the floor suddenly gave a **surface normal force of 700 N**. What would happen?

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

Estimate how much Surface Normal Force the floor of this room is pushing with right now.

- Chair mass = 8 kg
- Table mass = 18 kg
- Person mass from 50 kg to 100 kg
- Cart with all the books = 150 kg