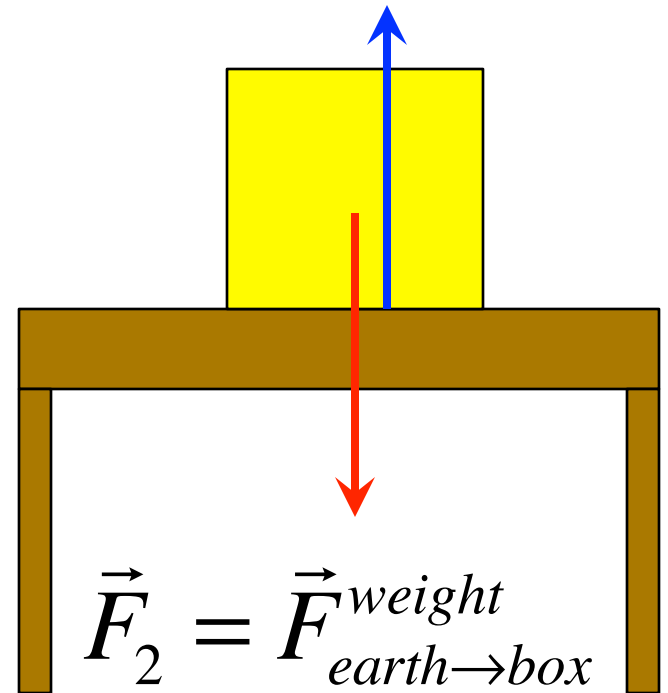


Compare forces 1 and 2



- A. Force 1 is bigger
- B. Force 2 is bigger
- C. They are equal in magnitude
- D. There is not enough information to tell.

$$\vec{F}_1 = \vec{F}_{table \rightarrow box}^{normal}$$



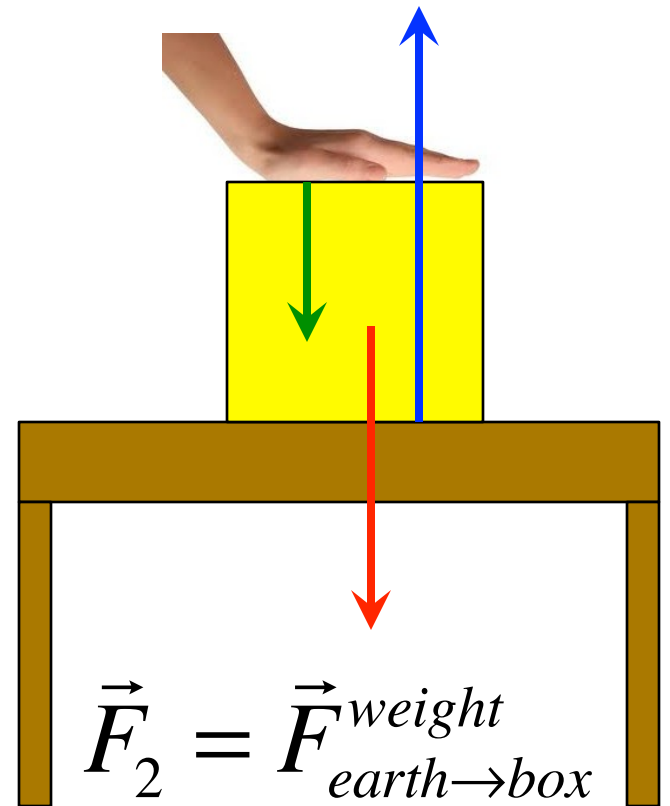
$$\vec{F}_2 = \vec{F}_{earth \rightarrow box}^{weight}$$

Compare forces 1 and 2



- A. Force 1 is bigger
- B. Force 2 is bigger
- C. They are equal in magnitude
- D. There is not enough information to tell.

$$\vec{F}_1 = \vec{F}_{table \rightarrow box}^{normal}$$



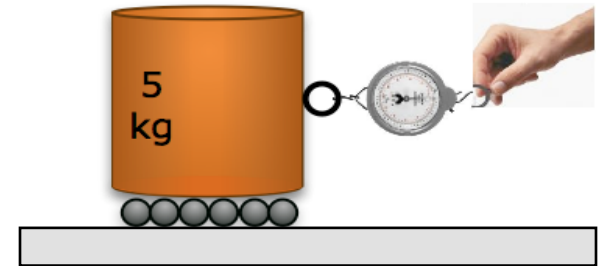
$$\vec{F}_3 = \vec{F}_{hand \rightarrow box}^{normal}$$

$$\vec{F}_2 = \vec{F}_{earth \rightarrow box}^{weight}$$



You are pulling the block along a table.
To ensure that the block speeds up
at a constant rate you need to

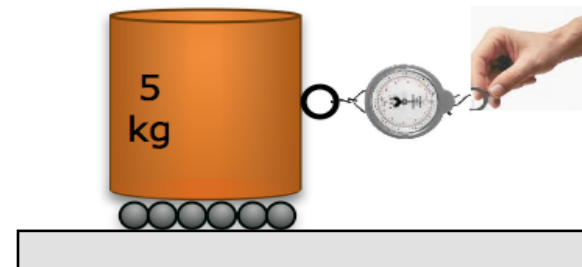
- A. Pull with a decreasing force.
- B. Pull with a constant force.
- C. Pull with an increasing force.
- D. Not pull at all.





You are pulling the block along a table
To keep the block moving at constant speed

- A. Pull with a decreasing force.
- B. Pull with a constant force.
- C. Pull with an increasing force.
- D. Not pull at all.



You are pulling two blocks along a table with constant acceleration. Which one requires a larger force?



- A. The 1 kg weight block
- B. The 5 kg weight block
- C. They require the same force.
- D. There is not enough information to tell.

