

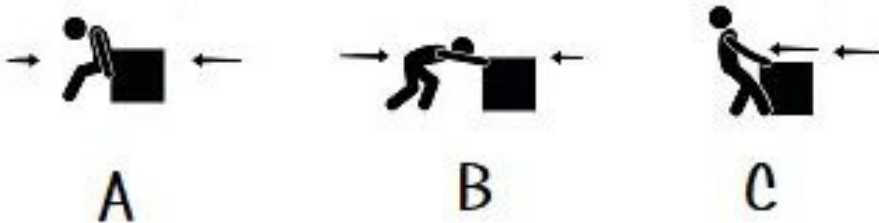
FORCES 5- FORCE ARROWS

Force arrows show the force and its direction on an object. A man is moving a box across the floor. He has to push it. Pushing it exerts force on the box. Forces can make an object start or stop moving, speed up or slow down. the man pushes the box in the direction he wants to move it.



A set of human pictogram representing methods and ways for a man to move a big box. This include many postures and poses such as pull, push, drag, lift, rollover, kick, and moving it with stretcher and cart.

1. Select the box that represents a movement forward with a force of 4000N and backwards force of 1500N.



2. Label the forces described for the box with a movement forward with a force of 4000N and backwards force of 1500N.

- ☐ tension force
- ☐ frictional force
- ☐ applied force
- ☐ gravitational force
- ☐ electrical force

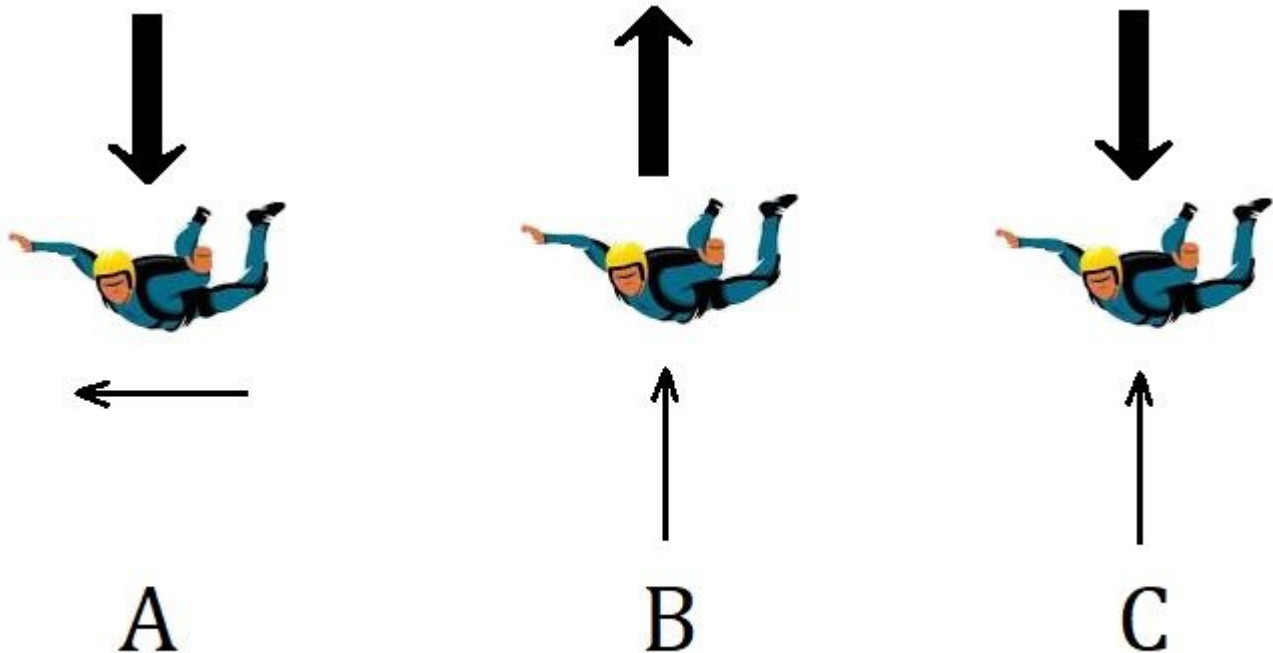
3. Which of the following represent a box being moved with a forward force of 200N and a backwards force of 200N?



4. What force represents a box being moved with a forward force of 200N and a backwards force of 200N?

- ☐ balance force
- ☐ inertia
- ☐ magnetism

5. Which arrows represent a skydiver falling at a force of 2500N and an upward force of 450N?



6. Which forces are represented for the skydiver falling at a force of 2500N and an upward force of 450N?

- ☐ air resistance
- ☐ friction force
- ☐ gravitational force
- ☐ tension force

7. What forces explains a hot air balloon in the air?



- ☐ air resistance
- ☐ friction
- ☐ upthrust
- ☐ normal
- ☐ tension

8. The hot air balloon is falling at a constant speed. Which diagram below represent the resultant force?

