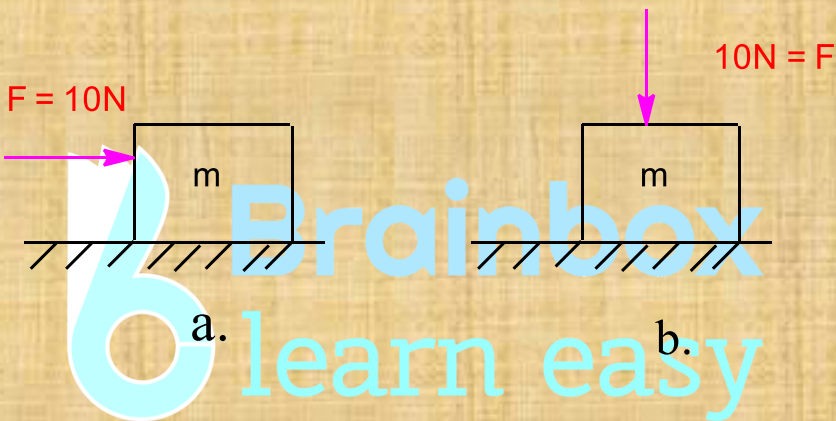


Chapter 11

FORCE AND PRESSURE

Few points about force:

- Vector quantity means a physical quantity which has both magnitude and direction is vector.
- Force is a vector quantity



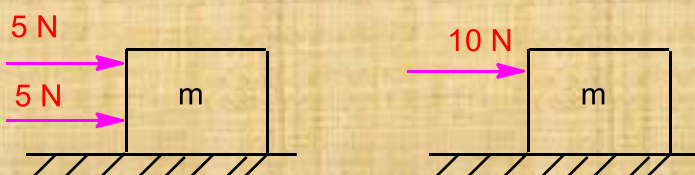
In above, force and masses are same. But direction of force acting is different

In case a) body will move but,

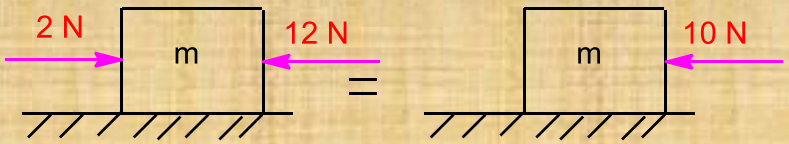
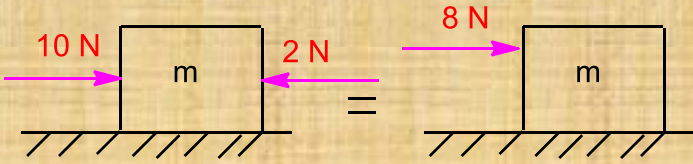
In case b) body will not move

i.e., while applying force we must specify the direction of force also.

- If two forces are acting on a body in same direction they will add up

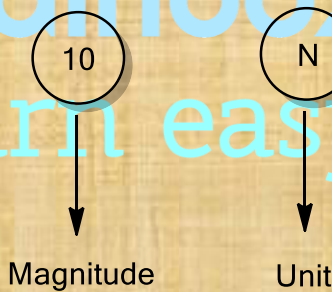


- If forces are acting in opposite direction, they will subtract each other



Note:

Suppose force acting on a body is 10 N



- '10' is called magnitude of force here
- N (newton) is unit of force