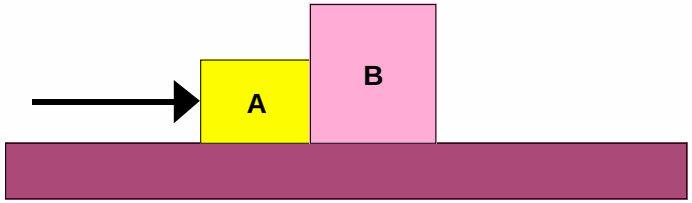
The two blocks exert forces on each other. Which is bigger?



1. A exerts a greater force on B than B does on A.
2. B exerts a greater force on A than A does on B.
3. They are the same
4. You can't tell from the information given
5. I have no clue how to tell.

In the situations below, a mover pushes two crates on a horizontal surface, and they move together with a constant a. In which situations are the forces that the two crates exert on each other equal in magnitude?

a. Situation I only.

b. Situation II only.

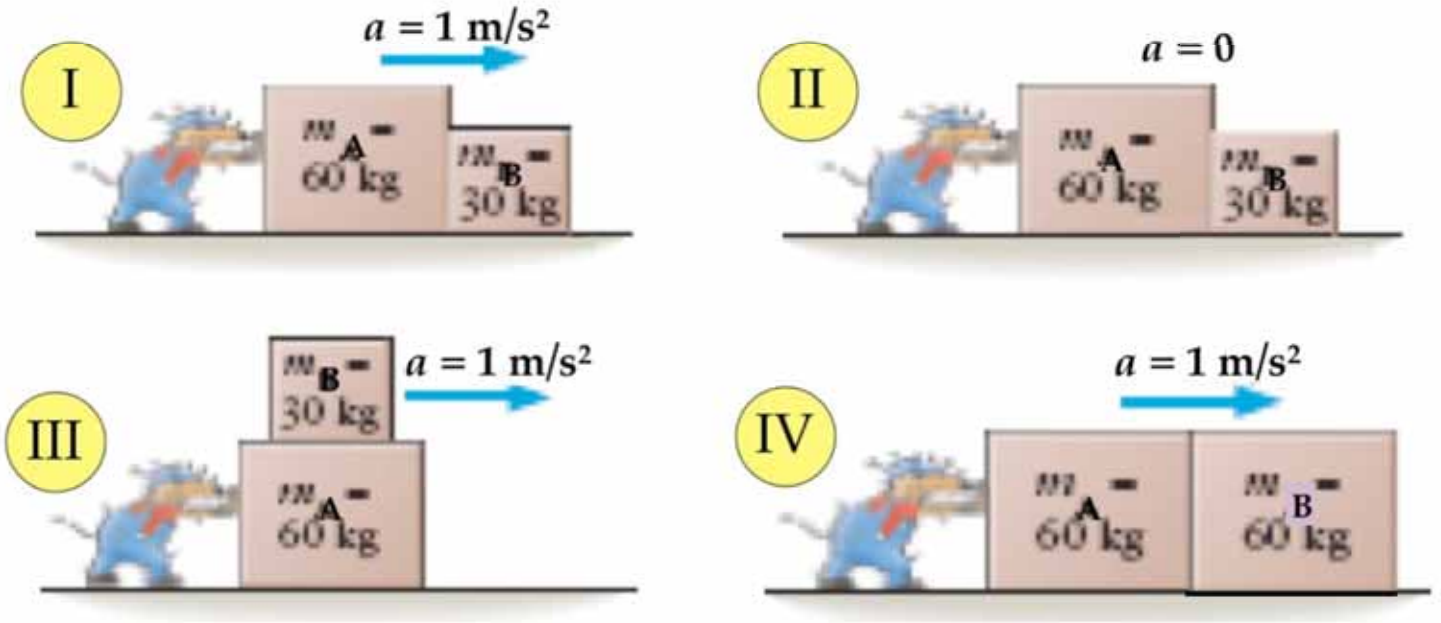
c. Situation III only.

d. Situation IV only.

e. In two or more of the situations.

f. In all of the situations.

g. You can't tell from what's given.



The mover is pushing two crates along a frictionless horizontal surface and the crates are slowly increasing their speed. Consider the following four forces:

- F_1 -- the force that the mover exerts on crate A
- F_2 -- the force that crate B exerts on crate A
- F_3 -- the force that crate A exerts on crate B
- F_4 -- the force that crate A exerts on the mover

Which of the following correctly compares the magnitudes of these forces?

a. $F_1 = F_2 = F_3 = F_4$

b. $F_1 = F_2 = F_3 > F_4$

c. $F_1 = F_4 > F_2 = F_3$

d. $F_1 > F_3 > F_2 > F_4$

e. None of the above.