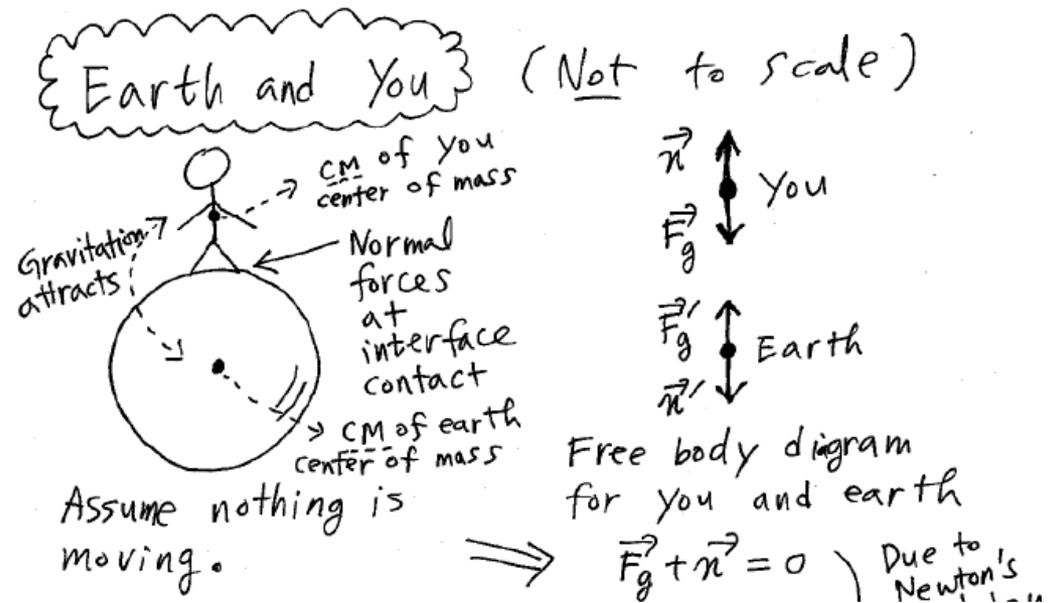


- Clicker Q: (Newton's 3<sup>rd</sup> law) An object is put on earth and the earth is exerting gravity. Also, a normal force is acting from the earth to the object due to contact. Are these two forces a Newton's 3<sup>rd</sup> law pair?

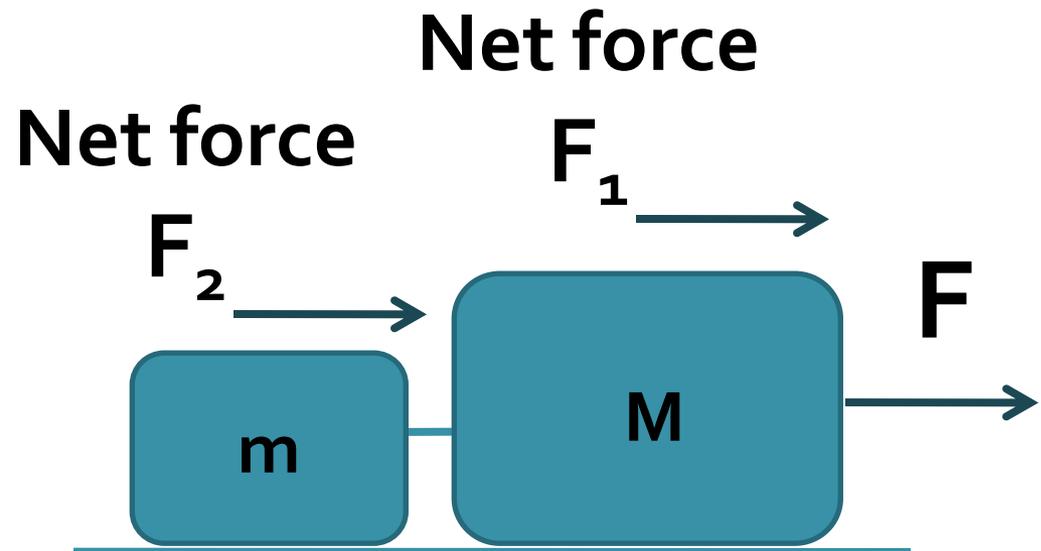
A. Yes

B. No



- Clicker Q: On a frictionless surface, you are pulling two objects that are connected by a string, with a force  $F$  and a constant acceleration. Assuming  $M > m$ , which of the following is true?

- A.  $F_1 = F_2 = F$
- B.  $F_1 < F_2 < F$
- C.  $F_2 < F_1 < F$
- D.  $F < F_1 < F_2$
- E.  $F < F_2 < F_1$



- **Clicker Q: An elevator is operated by a rope with tension  $T$ . In which of the following cases, is  $T$  the greatest?**

- A. Going down with a downward acceleration of  $3 \text{ m/s}^2$
- B. Going up with a downward acceleration of  $1 \text{ m/s}^2$
- C. Going down with an upward acceleration of  $2 \text{ m/s}^2$
- D. Gown up with an upward acceleration of  $1 \text{ m/s}^2$

