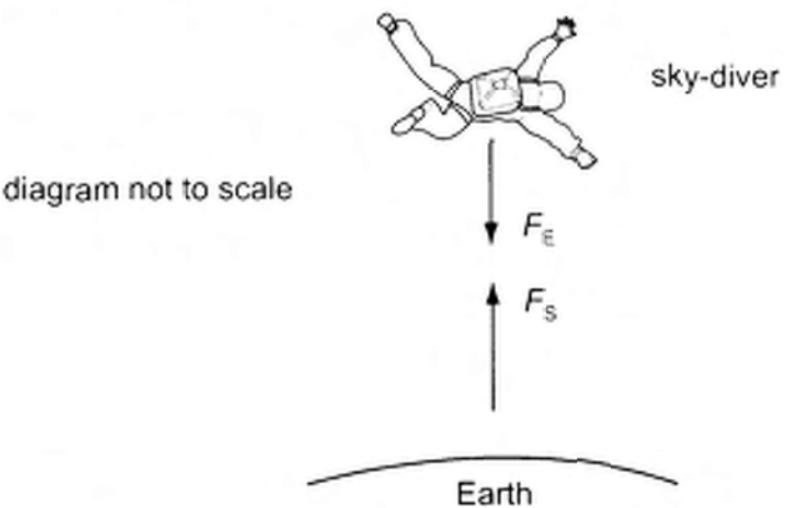


- 5 A sky-diver jumps from an aircraft. The Earth exerts a downward force  $F_E$  on the sky-diver who also exerts an upward force  $F_S$  on the Earth.



Which statement is correct?

- A the magnitude of  $F_E >$  the magnitude of  $F_S$
- B the magnitude of  $F_E <$  the magnitude of  $F_S$
- C the magnitude of  $F_E =$  the magnitude of  $F_S$  and they cancel each other out
- D the magnitude of  $F_E =$  the magnitude of  $F_S$  and they do not cancel each other out