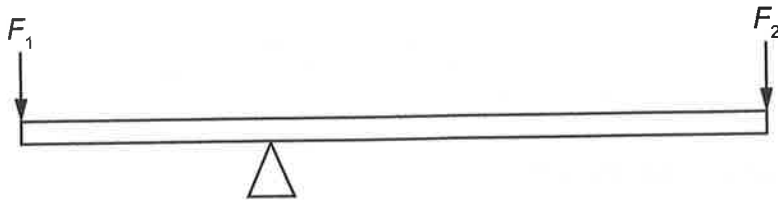


- 12 A uniform beam is balanced under the action of four forces F_1 , F_2 , its weight and a support force from the pivot.



Which statement is correct?

- A $F_1 = F_2$.
- B F_2 is greater than F_1 .
- C The beam is acted on by a couple.
- D There is no resultant torque acting on the beam.

13 When a gas trapped in a syringe expands from volume V_i to volume V_f against a constant