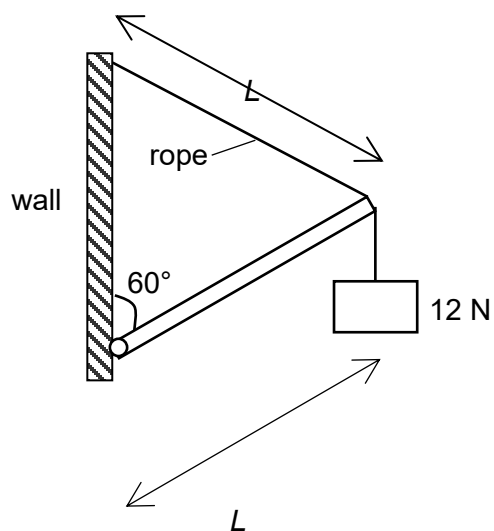


- 7 A uniform rod of weight 20 N and length  $L$  is hinged to a wall as shown below. The rod is supported at the other end by a rope of the same length  $L$  and attached to the wall. A load of 12 N is suspended at the other end of the rod.



What is the tension in the rope?

- A 22 N
- B 32 N
- C 57 N
- D 64 N