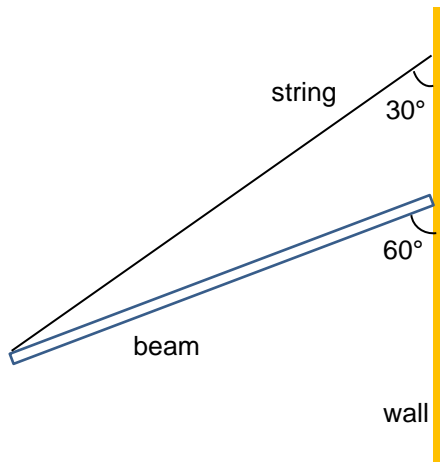


- 7 A uniform beam of 10 kg is resting against a rough wall at an angle of  $60^\circ$  to it as shown in the figure below. It is attached to an inextensible string which is fixed to the wall at an angle of  $30^\circ$  to the vertical.



What is the tension  $T$  in the string?

- A** 85 N                      **B** 110 N                      **C** 130 N                      **D** 170 N