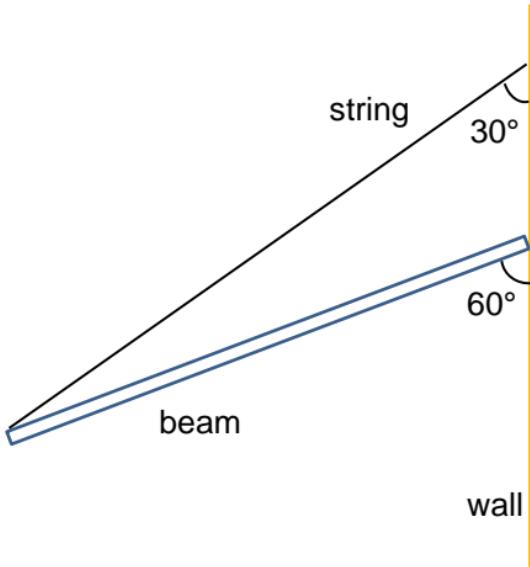


- 7 A uniform beam of 10 kg is resting against a rough wall at an angle of  $60^\circ$  to it as shown in the figure below. It is attached to an inextensible string which is fixed to the wall at an angle of  $30^\circ$  to the vertical.



What is the tension  $T$  in the string?

A 85 N

B 110 N

C 130 N

D 170 N