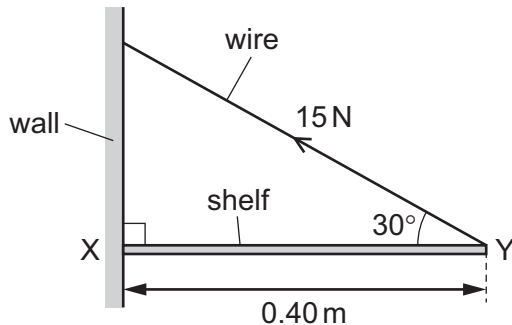


**12** A shelf XY is 0.40 m long and is attached to a wall at end X.

It is kept horizontal by a wire attached to Y and to the wall, as shown.



The tension force in the wire is 15 N at an angle of  $30^\circ$  to the horizontal.

What is the moment of this force about point X?

- A** 3.0 N m      **B** 5.2 N m      **C** 6.9 N m      **D** 12 N m