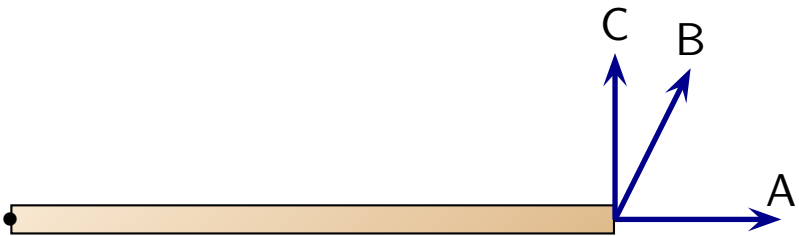


Question 1

A stick can pivot about one end. A 10 N force acts at the other end in various possible directions.

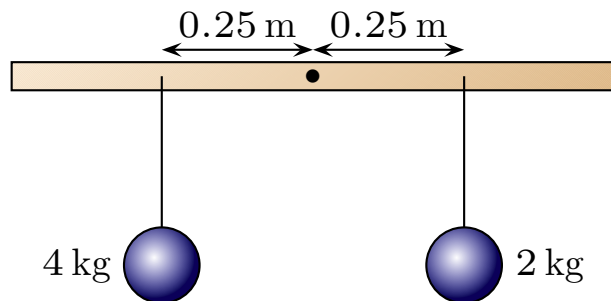


Which of the following ranks the torques produced?

1. $\tau_A = \tau_B = \tau_C$
2. $\tau_A < \tau_B < \tau_C$
3. $\tau_A = \tau_C < \tau_B$
4. $\tau_C < \tau_B < \tau_A$

Question 2

A meter stick can pivot about its midpoint. Two balls are suspended equal distances from the center.



Which of the following best describes the net torque on the meter stick?

1. $\tau_{\text{net}} = 0$
2. $\tau_{\text{net}} > 0$
3. $\tau_{\text{net}} < 0$