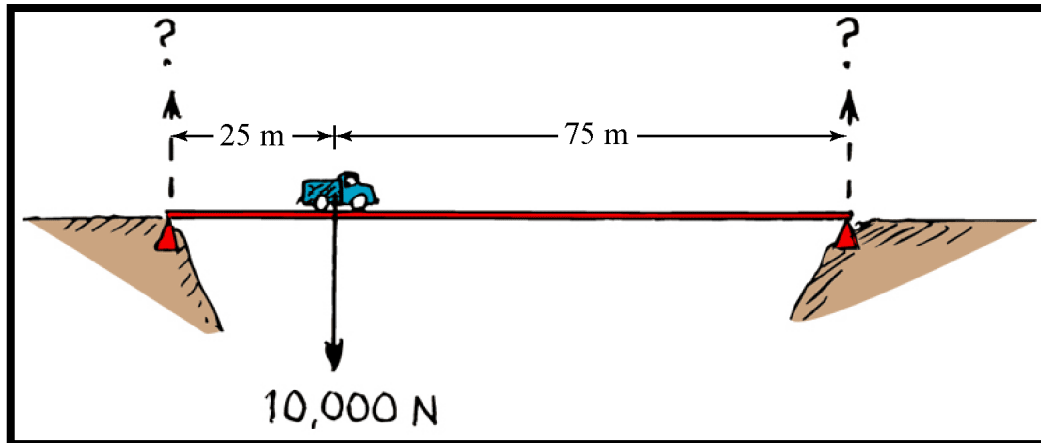

Worksheet 17: Torque

1. A 10,000-N truck is stalled $\frac{1}{4}$ of the way across a 100-m bridge.



- a. What torque does the weight of the truck exert about the support at the right end of the bridge?
- b. What upward force must the support at the left end of the bridge exert to cancel the torque from the truck's weight?
- c. What torque does the weight of the truck exert about the left end of the bridge?
- d. What upward force must the support at the right end of the bridge exert to cancel the torque from the truck's weight?