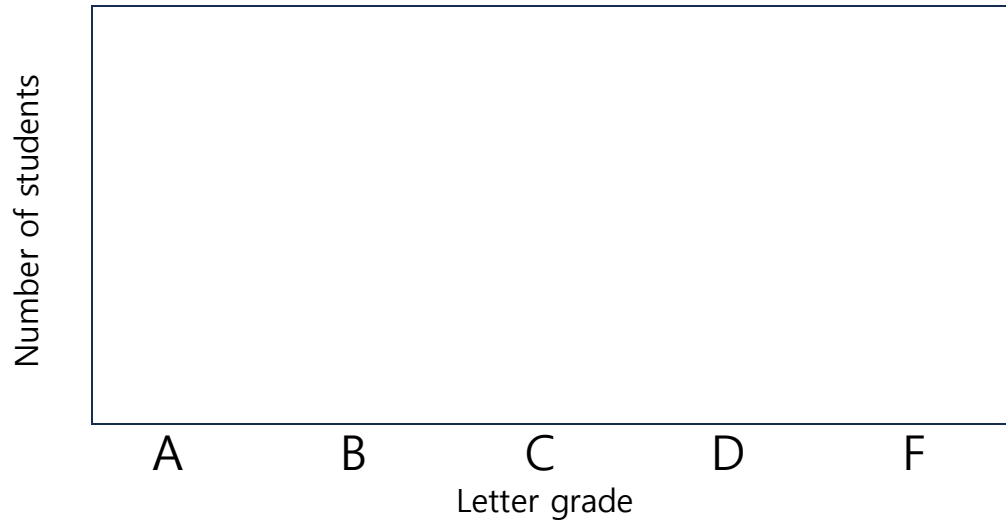
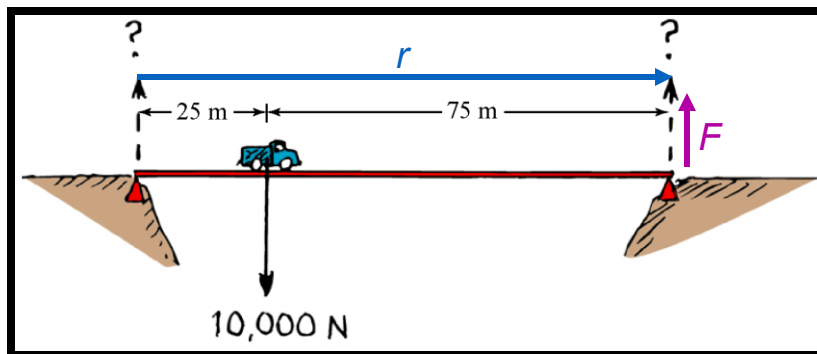

PHYS 1110 Worksheet: Torque

1. Sketch a histogram (bar graph) describing what you suppose last Fall's final grade distribution was for this class.



2. A basketball with a radius of 12.0 cm rolls 30.0 meters in 12.0 seconds.
- A. How many radians does it turn?
 - B. How many cycles does it turn?
 - C. What is its average linear speed, in meters per second?
 - D. What is its average angular speed, in radians per second?
3. What is "leverage?"

4. What additional upward force must the post at the right of the bridge span exert to support its share of the weight of the truck?



5. Find the magnitude and direction of the torque created by force P about axis A .

