

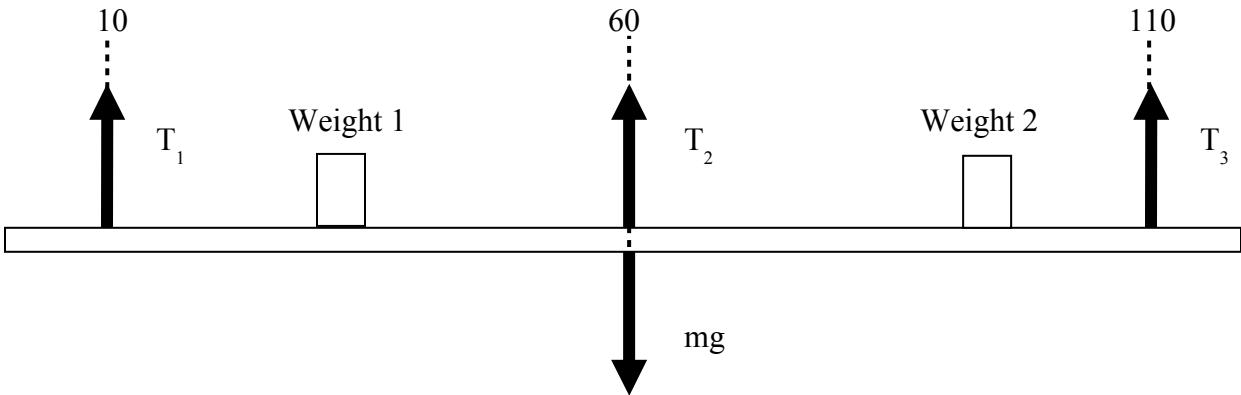
Answers:     Weight 1 - \_\_\_\_\_

Weight 2 - \_\_\_\_\_

**Objective:** To find the weights of two objects placed on a suspension bridge.

**Procedure:**

- Part 1- Find the weight of the bridge before placing Weights 1 and 2 on the bridge.
- Part 2- Place the two weights as shown below. Weight 1 and Weight 2 cannot be equidistant from the 60 cm mark. Use statics to find the unknown values of the weights.



**Data**

Values from Part 2	
Value of $T_1$	
Value of $T_2$	
Value of $T_3$	
Weight of the bridge	
Position of weight 1	
Position of weight 2	

Show your work to find the two unknown weights in the space below and on the back.