

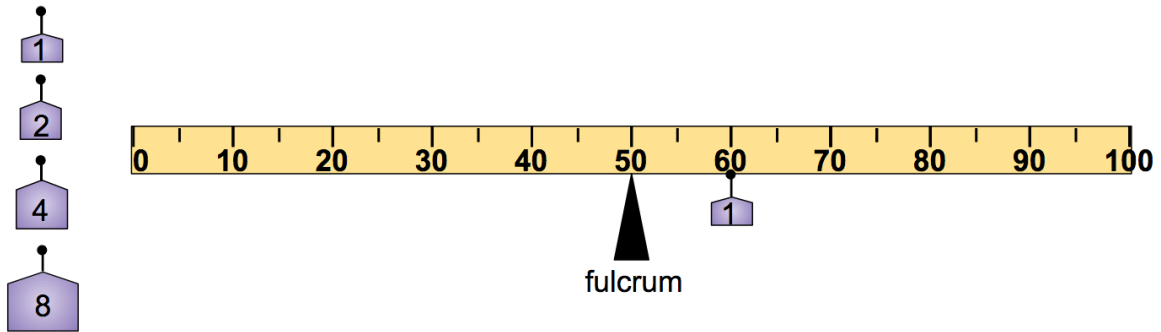
### Getting a Handle on Torque

**Difficulty Level: Ground Floor**

**Question Group #1**

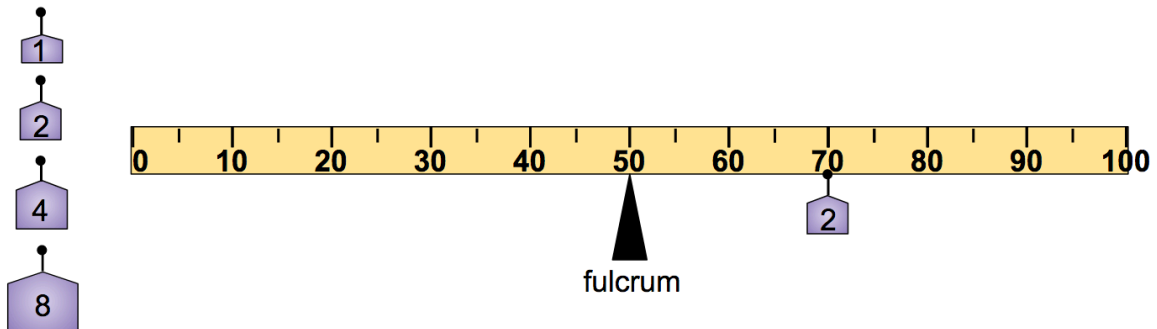
**Question 1**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



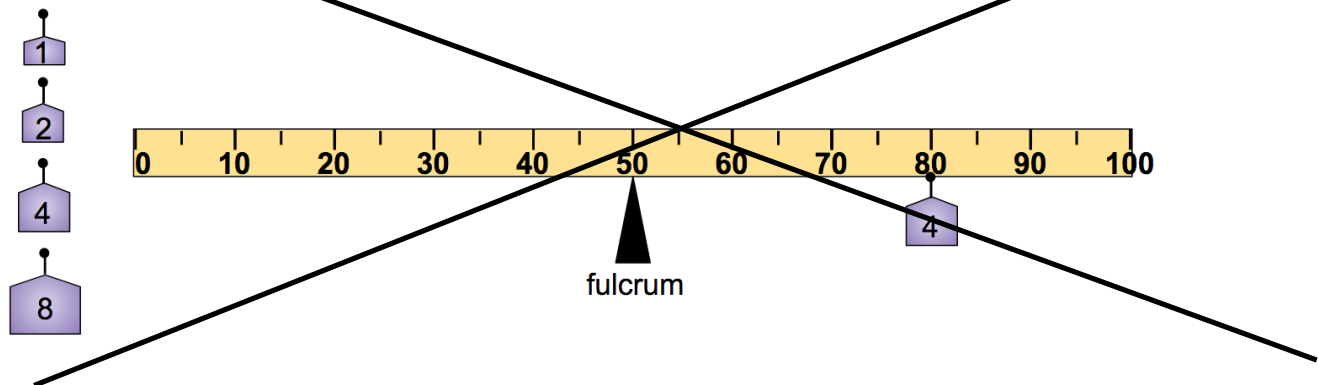
**Question 2**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



**Question 3**

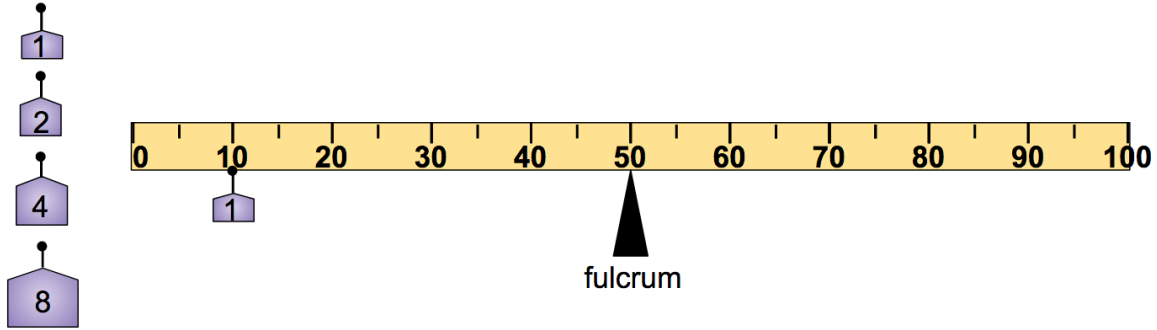
Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.



**Question Group #2**

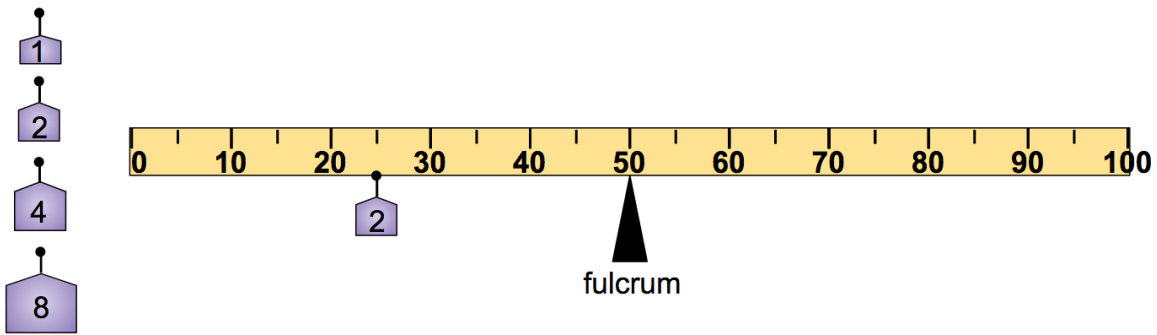
**Question 4**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



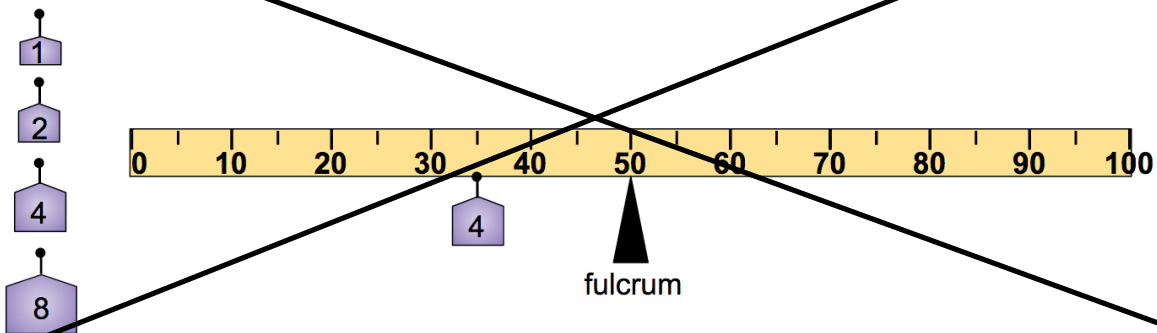
**Question 5**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



~~**Question 6**~~

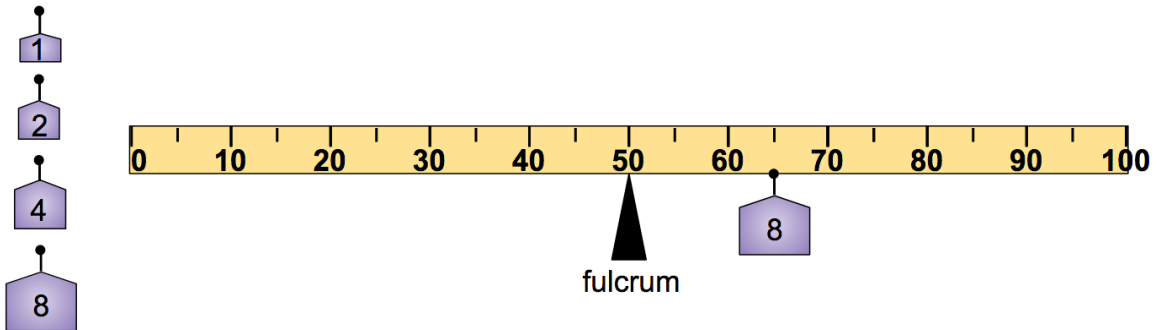
~~Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.~~



**Question Group #3**

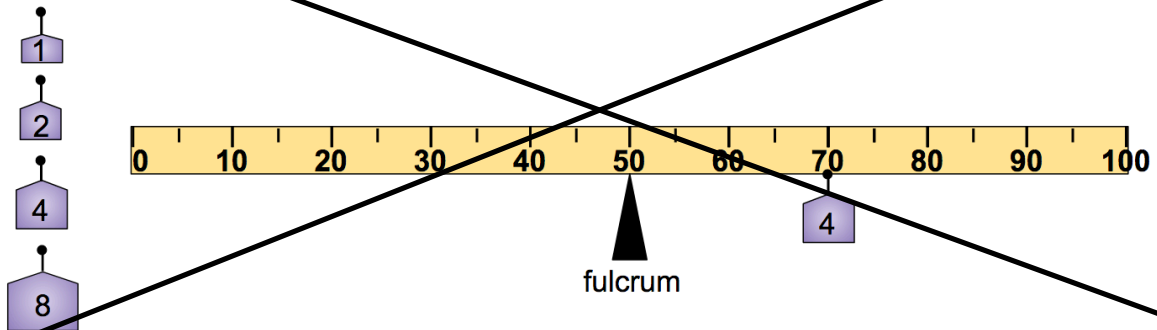
**Question 7**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



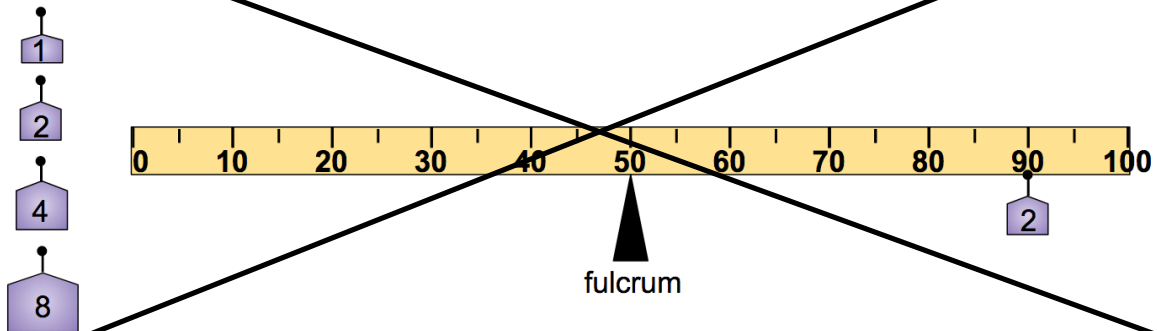
~~**Question 8**~~

~~Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.~~



~~**Question 9**~~

~~Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.~~

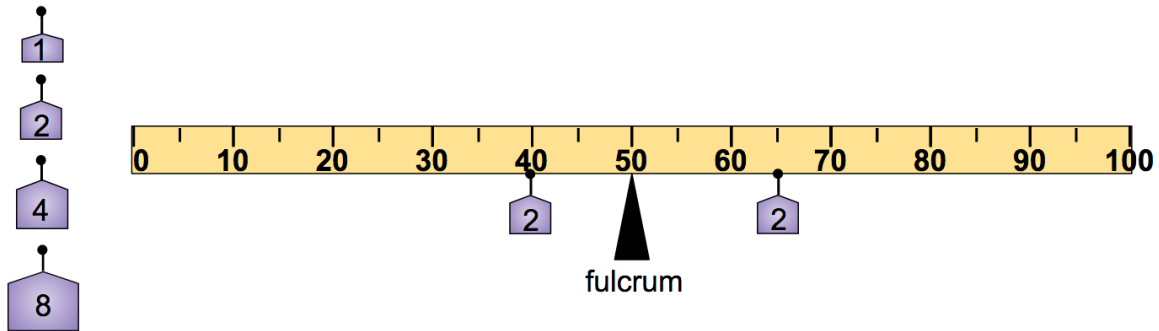


**Difficulty Level: Apprentice**

**Question Group #4**

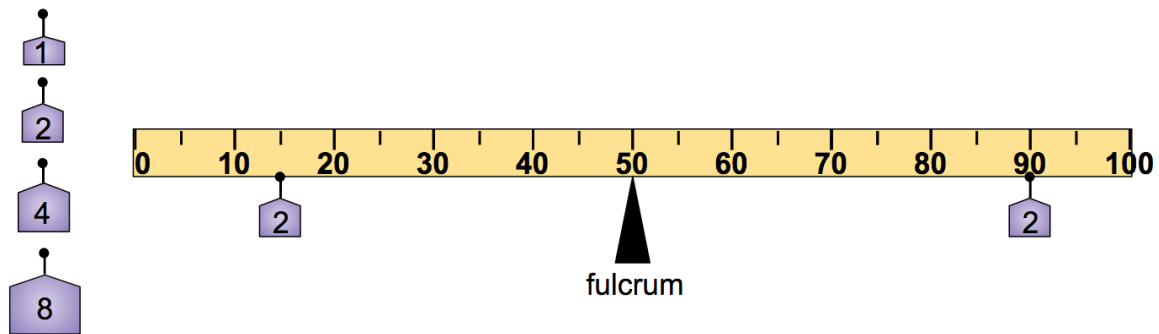
**Question 10**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



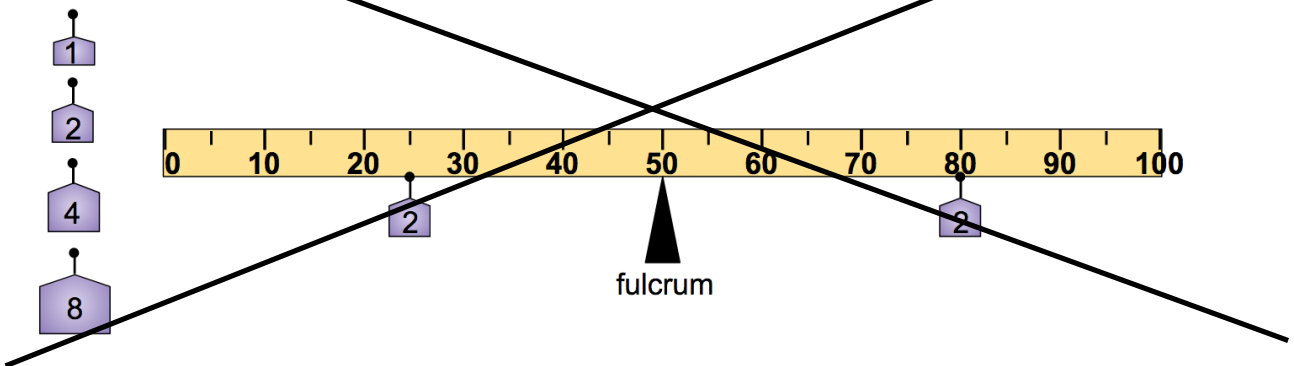
**Question 11**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



**Question 12**

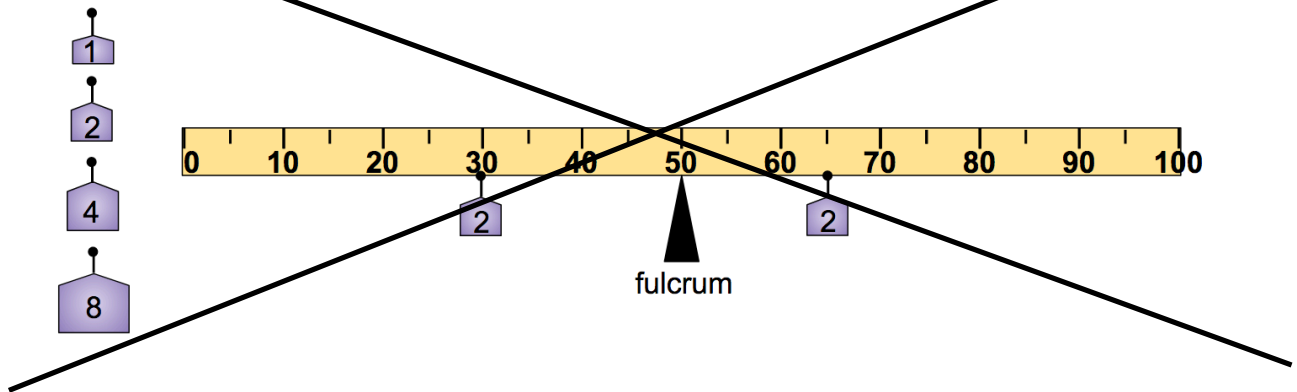
Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.



**Question Group #5**

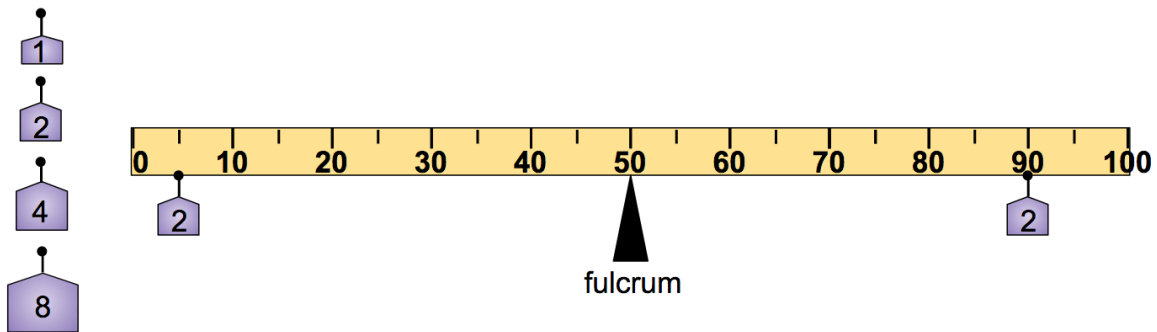
**Question 13**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.



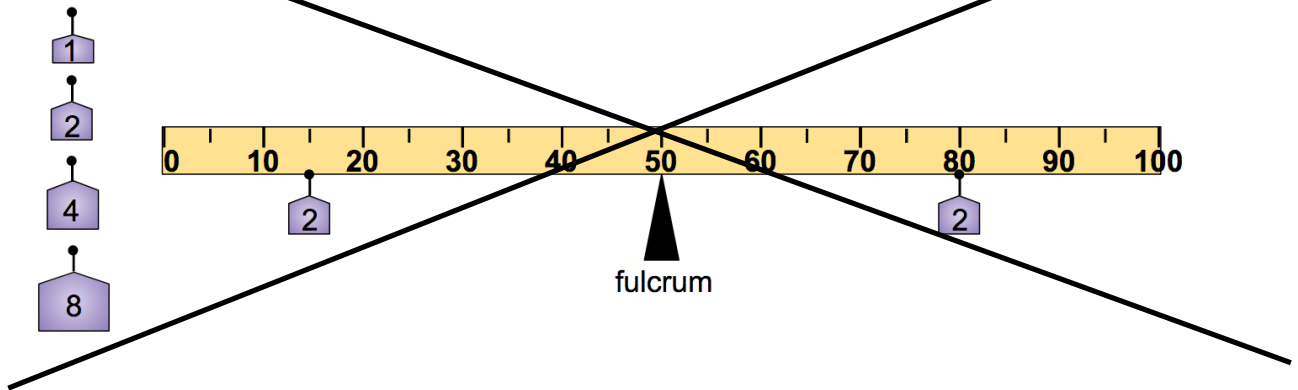
**Question 14**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



**Question 15**

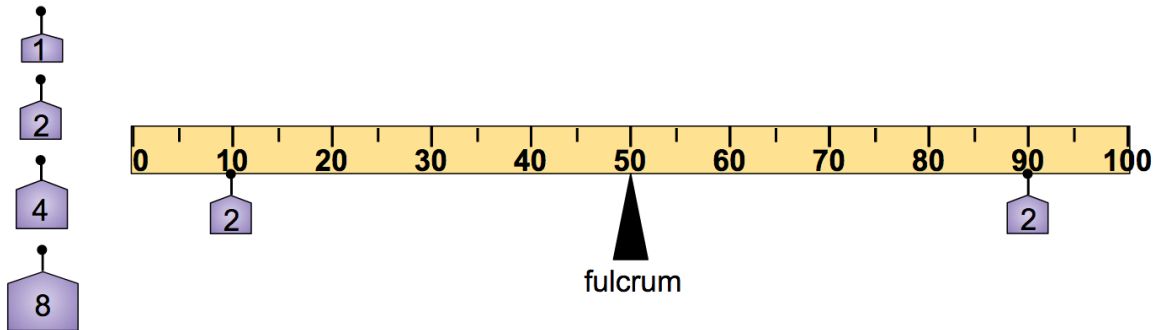
Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.



**Question Group #6**

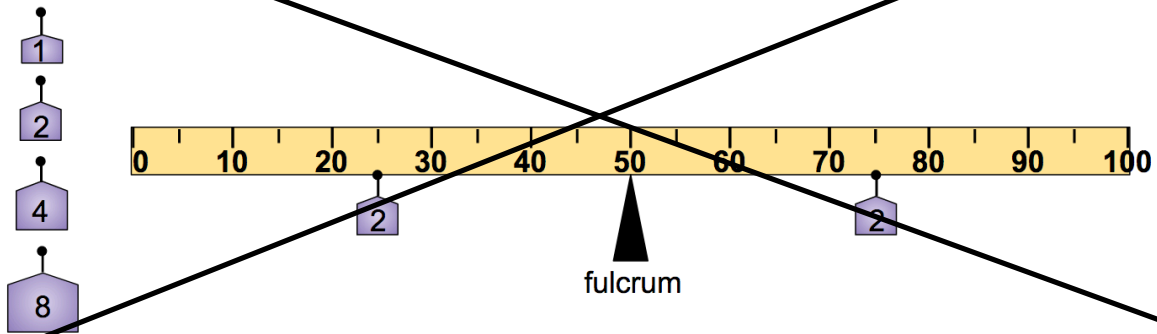
**Question 16**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



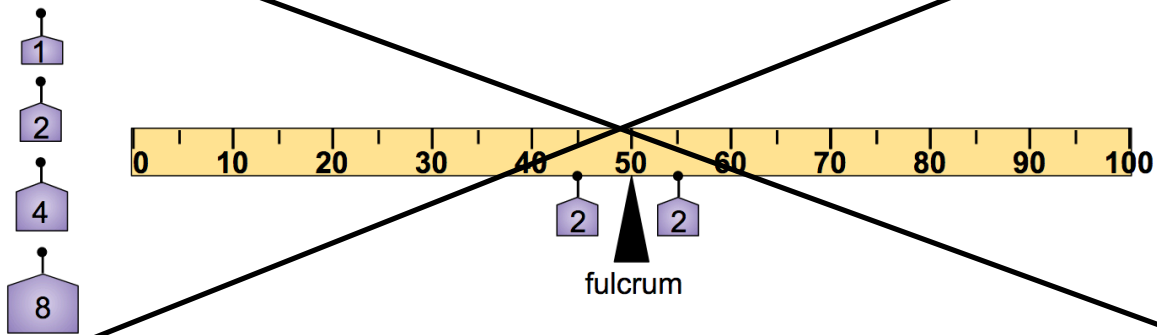
~~**Question 17**~~

~~Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.~~



~~**Question 18**~~

~~Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.~~

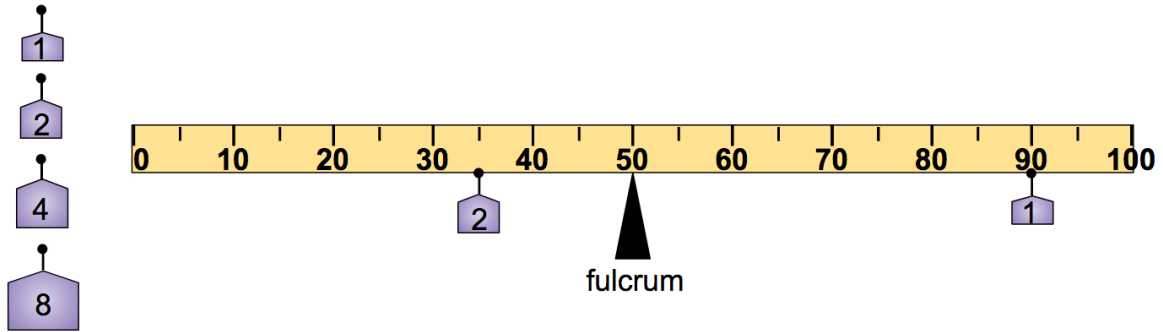


**Difficulty Level: Master**

**Question Group #7**

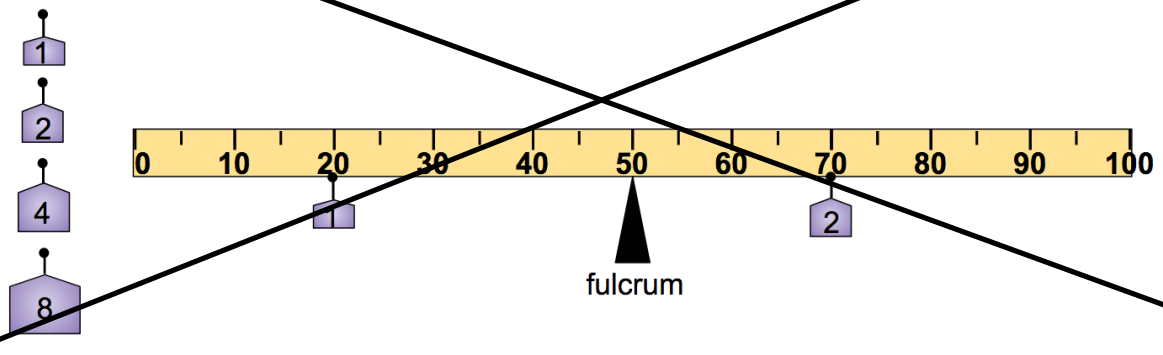
**Question 19**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



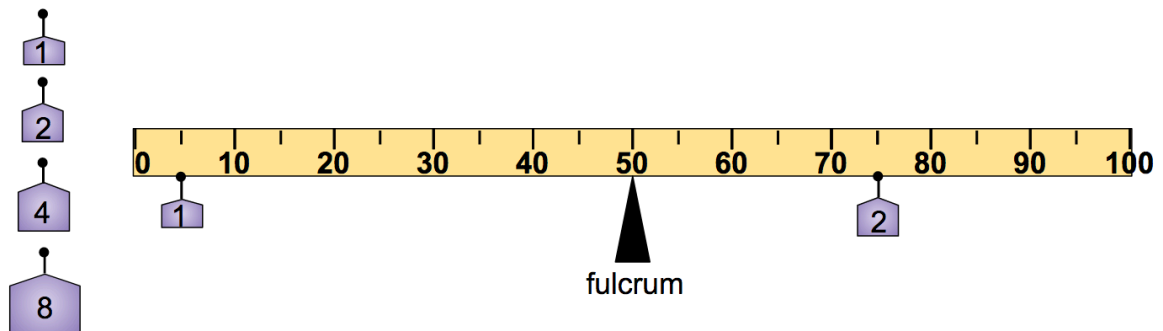
**Question 20**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.



**Question 21**

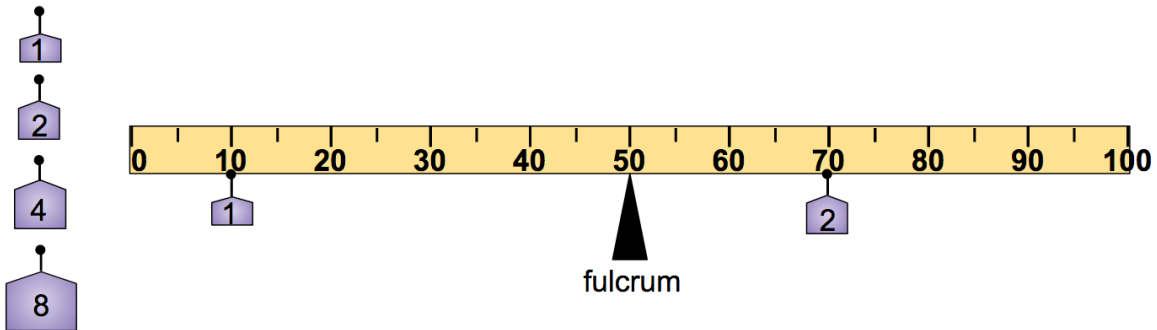
Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



**Question Group #9**

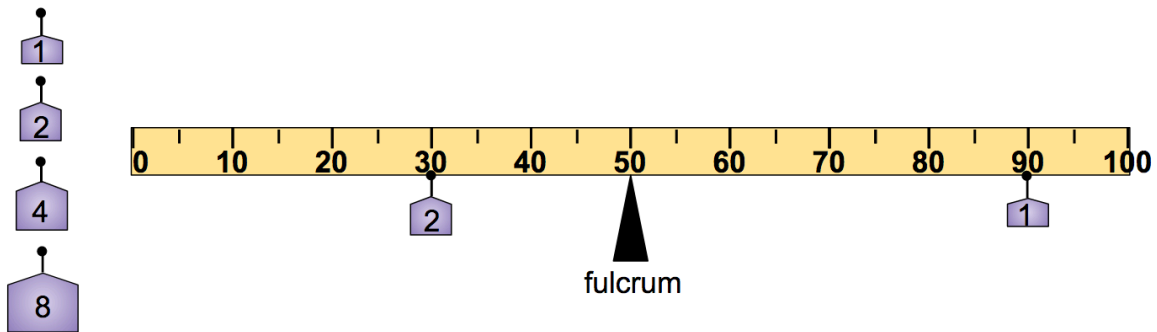
**Question 25**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



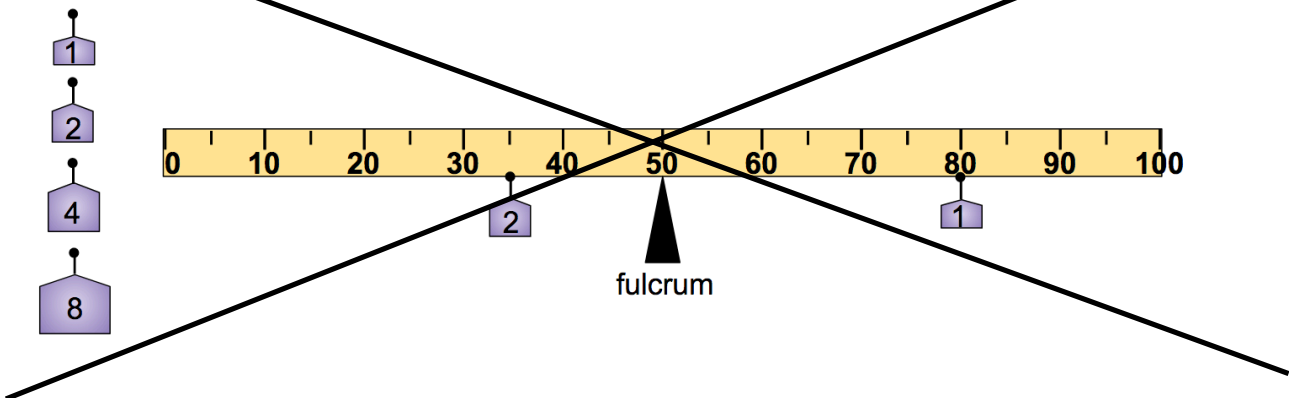
**Question 26**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



**Question 27**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.



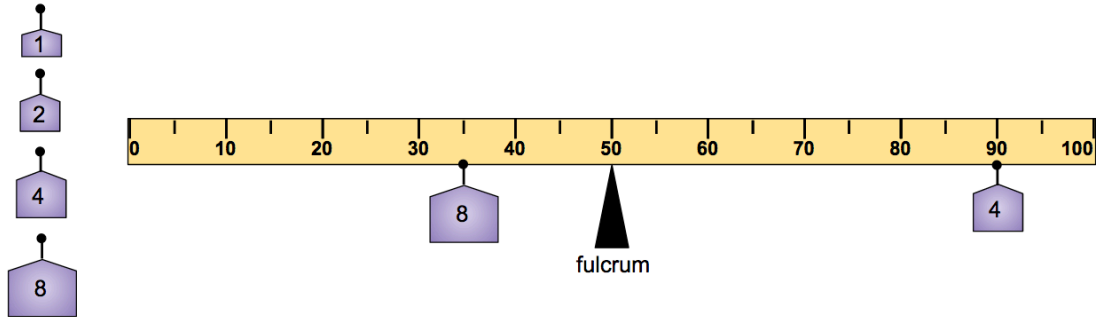


**Difficulty Level: Wizard**

**Question Group #10**

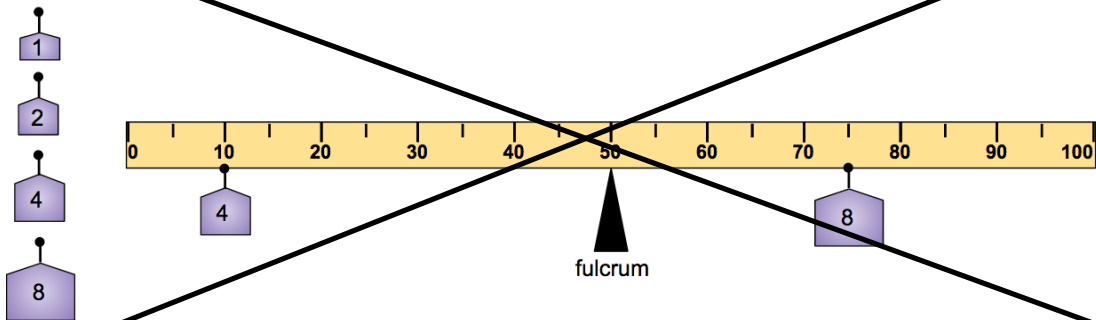
**Question 28**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



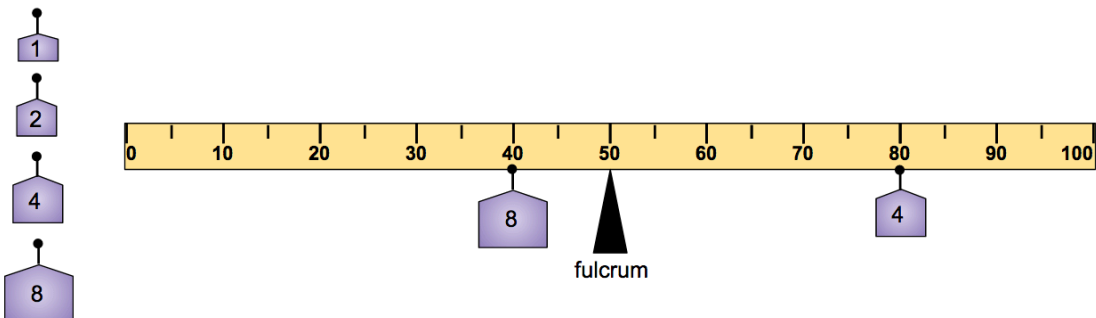
**Question 29**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.



**Question 30**

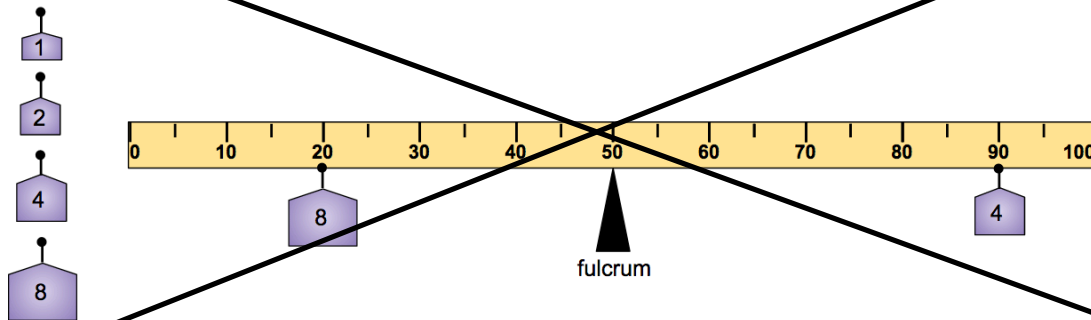
Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



**Question Group #11**

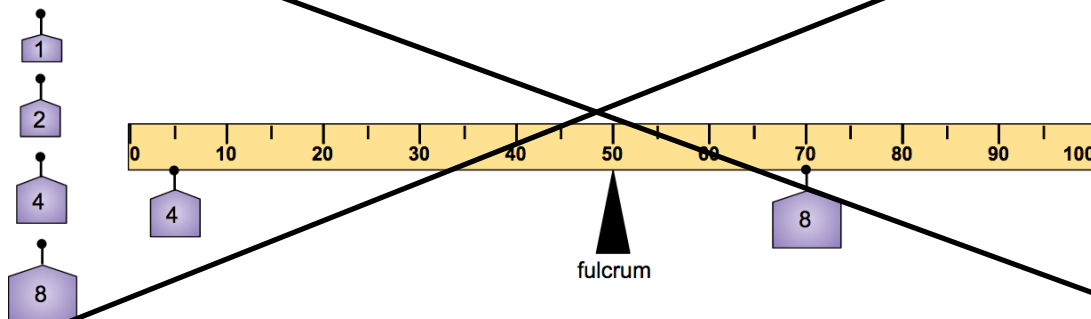
**Question 31**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.



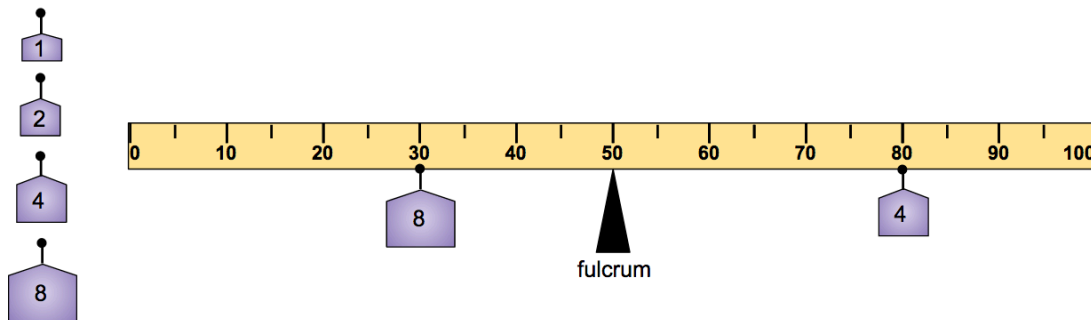
**Question 32**

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.



**Question 33**

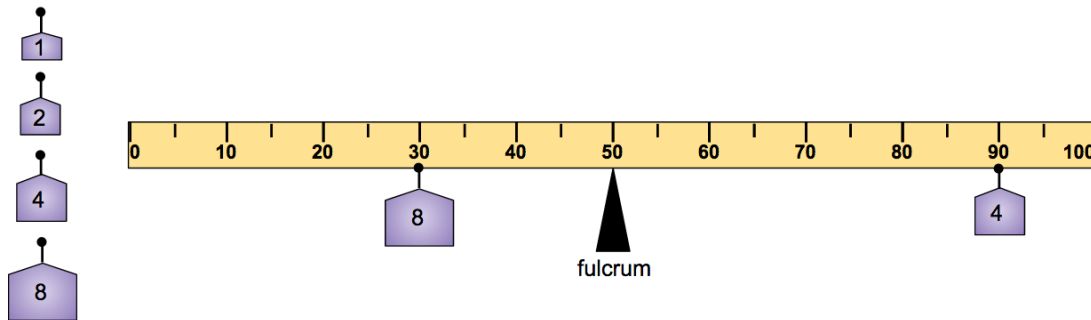
Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. What is the torque?



### Question Group #12

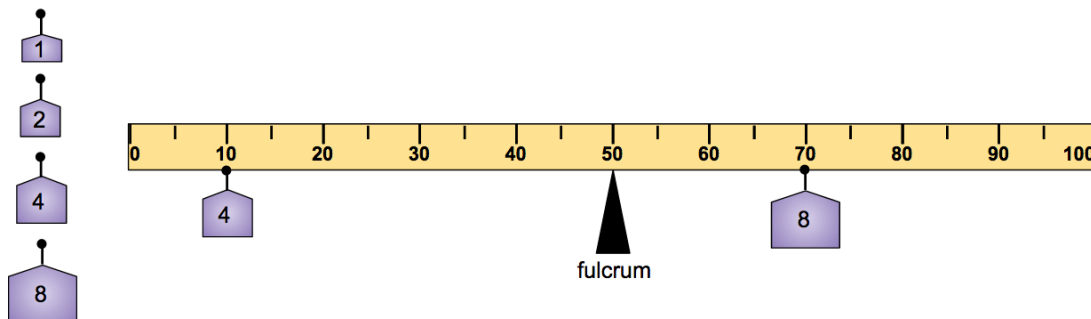
#### Question 34

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.



#### Question 35

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms. **What is the torque?**



#### Question 36

Which way will the meter stick rotate if the objects are hung on the stick as shown below? Each object is labeled with its mass in kilograms.

