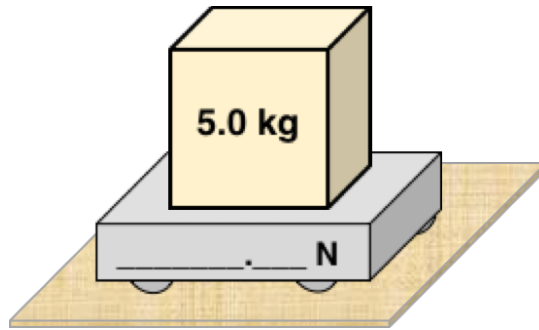


Normal Force Card Sort

Question 1

Consider the following situation and categorize it according to the relative strength of the normal force (or scale reading). Category options include:

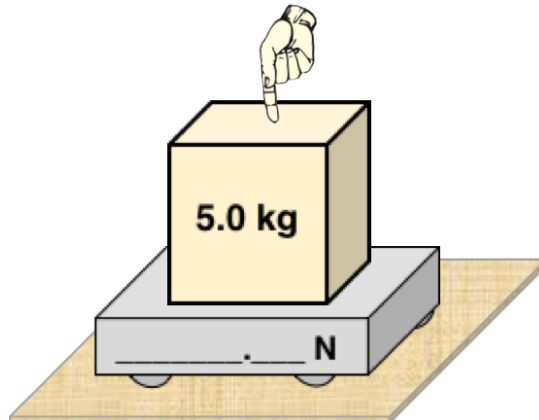
- A. The normal force is equal to the weight of the object.
- B. The normal force is greater than ($>$) the weight of the object.
- C. The normal force is less than ($<$) the weight of the object.
- D. There is not enough information to decide.



Question 2

Consider the following situation and categorize it according to the relative strength of the normal force (or scale reading). Category options include:

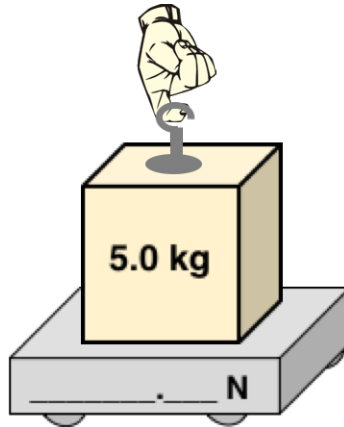
- A. The normal force is equal to the weight of the object.
- B. The normal force is greater than ($>$) the weight of the object.
- C. The normal force is less than ($<$) the weight of the object.
- D. There is not enough information to decide.



Question 3

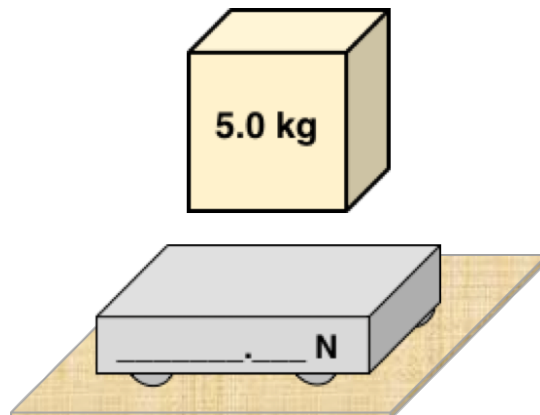
Consider the following situation and categorize it according to the relative strength of the normal force (or scale reading). Category options include:

- A. The normal force is equal to the weight of the object.
- B. The normal force is greater than ($>$) the weight of the object.
- C. The normal force is less than ($<$) the weight of the object.
- D. There is not enough information to decide.

**Question 4**

Consider the following situation and categorize it according to the relative strength of the normal force (or scale reading). Category options include:

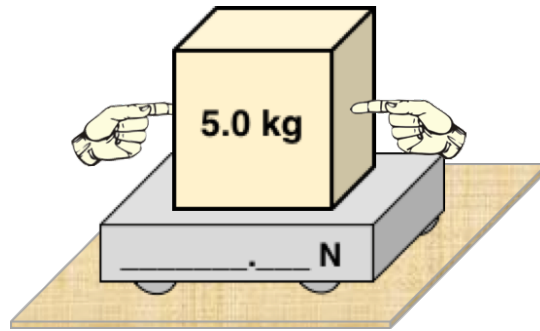
- A. The normal force is equal to the weight of the object.
- B. The normal force is greater than ($>$) the weight of the object.
- C. The normal force is less than ($<$) the weight of the object.
- D. There is not enough information to decide.



Question 5

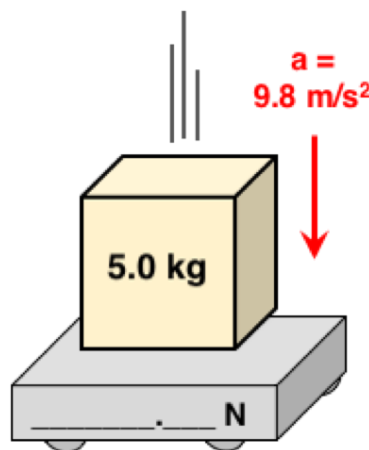
Consider the following situation and categorize it according to the relative strength of the normal force (or scale reading). Category options include:

- A. The normal force is equal to the weight of the object.
- B. The normal force is greater than ($>$) the weight of the object.
- C. The normal force is less than ($<$) the weight of the object.
- D. There is not enough information to decide.

**Question 6**

Consider the following situation and categorize it according to the relative strength of the normal force (or scale reading). Category options include:

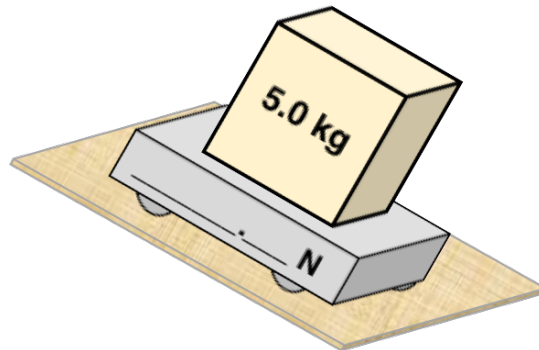
- A. The normal force is equal to the weight of the object.
- B. The normal force is greater than ($>$) the weight of the object.
- C. The normal force is less than ($<$) the weight of the object.
- D. There is not enough information to decide.



Question 7

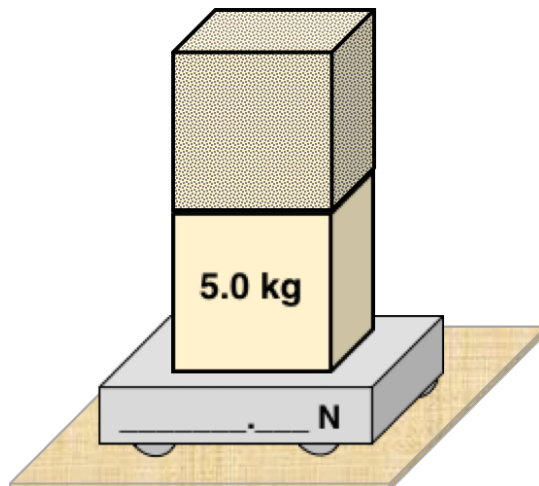
Consider the following situation and categorize it according to the relative strength of the normal force (or scale reading). Category options include:

- A. The normal force is equal to the weight of the object.
- B. The normal force is greater than ($>$) the weight of the object.
- C. The normal force is less than ($<$) the weight of the object.
- D. There is not enough information to decide.

**Question 8**

Consider the following situation and categorize it according to the relative strength of the normal force (or scale reading). Category options include:

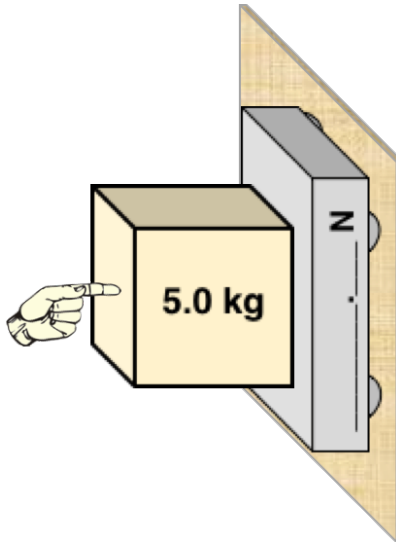
- A. The normal force is equal to the weight of the object.
- B. The normal force is greater than ($>$) the weight of the object.
- C. The normal force is less than ($<$) the weight of the object.
- D. There is not enough information to decide.



Question 9

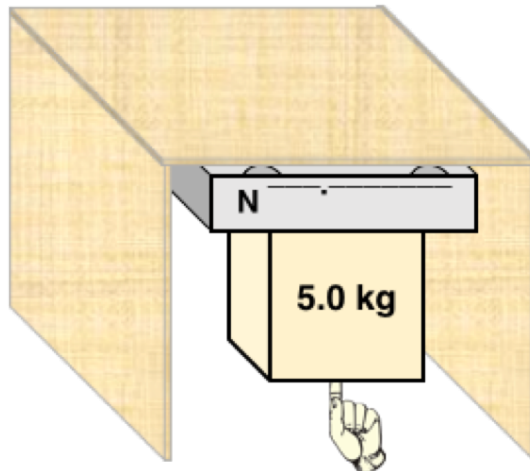
Consider the following situation and categorize it according to the relative strength of the normal force (or scale reading). Category options include:

- A. The normal force is equal to the weight of the object.
- B. The normal force is greater than ($>$) the weight of the object.
- C. The normal force is less than ($<$) the weight of the object.
- D. There is not enough information to decide.

**Question 10**

Consider the following situation and categorize it according to the relative strength of the normal force (or scale reading). Category options include:

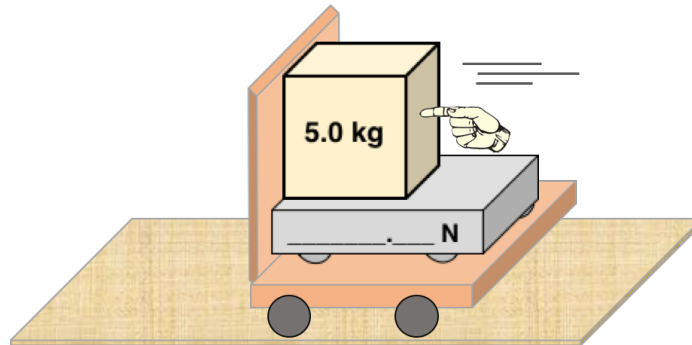
- A. The normal force is equal to the weight of the object.
- B. The normal force is greater than ($>$) the weight of the object.
- C. The normal force is less than ($<$) the weight of the object.
- D. There is not enough information to decide.



Question 11

Consider the following situation and categorize it according to the relative strength of the normal force (or scale reading). Category options include:

- A. The normal force is equal to the weight of the object.
- B. The normal force is greater than ($>$) the weight of the object.
- C. The normal force is less than ($<$) the weight of the object.
- D. There is not enough information to decide.

**Question 12**

Consider the following situation and categorize it according to the relative strength of the normal force (or scale reading). Category options include:

- A. The normal force is equal to the weight of the object.
- B. The normal force is greater than ($>$) the weight of the object.
- C. The normal force is less than ($<$) the weight of the object.
- D. There is not enough information to decide.

