

# Mechanics

## MCQ Unit

### 08: Statics

# and Torque

Author: Saylor Foundation

Published 2014

# Create, Share, and Discover Online Quizzes.

QuizOver.com is an intuitive and powerful online quiz creator. [learn more](#)

Join QuizOver.com



## How to Analyze Stocks

By Yasser Ibrahim

1 month ago  
12 Responses

© iStock: Thomson Moter



## Pre Employment English

By Katharina jennifer N

5 months ago  
19 Responses

© iStock: Albin



## Lean Startup Quiz

By Yasser Ibrahim

2 months ago  
16 Responses

© iStock: Gekwinih Chou

Powered by QuizOver.com

The Leading Online Quiz & Exam Creator

Create, Share and Discover Quizzes & Exams

<http://www.quizover.com>

## Disclaimer

All services and content of QuizOver.com are provided under QuizOver.com terms of use on an "as is" basis, without warranty of any kind, either expressed or implied, including, without limitation, warranties that the provided services and content are free of defects, merchantable, fit for a particular purpose or non-infringing.

The entire risk as to the quality and performance of the provided services and content is with you.

In no event shall QuizOver.com be liable for any damages whatsoever arising out of or in connection with the use or performance of the services.

Should any provided services and content prove defective in any respect, you (not the initial developer, author or any other contributor) assume the cost of any necessary servicing, repair or correction.

This disclaimer of warranty constitutes an essential part of these "terms of use".

No use of any services and content of QuizOver.com is authorized hereunder except under this disclaimer.

The detailed and up to date "terms of use" of QuizOver.com can be found under:

<http://www.QuizOver.com/public/termsOfUse.xhtml>

## eBook Content License

Introduction to Mechanics. The Saylor Foundation, <http://www.saylor.org/courses/phys101/>

### Creative Commons License

Attribution-NonCommercial-NoDerivs 3.0 Unported (CC BY-NC-ND 3.0)

<http://creativecommons.org/licenses/by-nc-nd/3.0/>

You are free to:

Share: copy and redistribute the material in any medium or format

The licensor cannot revoke these freedoms as long as you follow the license terms.

Under the following terms:

**Attribution:** You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.

**NonCommercial:** You may not use the material for commercial purposes.

**NoDerivatives:** If you remix, transform, or build upon the material, you may not distribute the modified material.

**No additional restrictions:** You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits.

# Table of Contents

Quiz Permalink: <http://www.quizover.com/question/unit-08-statics-and-torque-by-saylor-foundat-the-introduction>

Author Profile: <http://www.quizover.com/user/profile/saylor.foundation>

## 1. Unit 08: Statics and Torque

## 4. Chapter: Unit 08: Statics and Torque

### 1. Unit 08: Statics and Torque Questions

#### 4.1.1. If a meter stick is pivoted at the 50 cm mark and a mass of 50 gram...

Author: Saylor Foundation

If a meter stick is pivoted at the 50 cm mark and a mass of 50 grams is hung at the 20 cm mark, then what mass must be hung from the 100 cm mark to balance the meter stick?

Please choose only one answer:

- 50 grams
- 40 grams
- 30 grams
- 20 grams

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [If a meter stick is pivoted at the 50 cm Saylor Foundat Introduction](http://www.quizover.com/question/if-a-meter-stick-is-pivoted-at-the-50-cm-saylor-foundat-introduction?pdf=3044)

Flashcards:

<http://www.quizover.com/flashcards/if-a-meter-stick-is-pivoted-at-the-50-cm-saylor-foundat-introduction?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/if-a-meter-stick-is-pivoted-at-the-50-cm-saylor-foundat-introduction?pdf=3044>

## 4.1.2. What is the definition of torque?

Author: Saylor Foundation

What is the definition of torque?

Please choose only one answer:

- Torque is a scalar, in which magnitude is the product of the force applied and the distance between the point of application of the force and the axis of rotation.
- Torque is a vector, in which the magnitude is the product of the force applied and the distance from the point of application of the force and the axis of rotation.
- Torque is a scalar, in which the magnitude is the product of the force applied and the lever arm.
- Torque is the cross product of the force applied and the distance between the point of application of the force and the axis of rotation.

Check the answer of this question online at QuizOver.com:

Question: [What is the definition of torque Saylor Foundat Introduction to Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-the-definition-of-torque-saylor-foundat-introduction-to-quest?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/what-is-the-definition-of-torque-saylor-foundat-introduction-to-quest?pdf=3044>

### 4.1.3. What must be true in order for a rigid body to be in equilibrium?

Author: Saylor Foundation

What must be true in order for a rigid body to be in equilibrium?

Please choose only one answer:

- The body must be at rest.
- The net force on the body must be zero.
- Both the net force and the net torque on the body must be zero.
- Both A and C

Check the answer of this question online at QuizOver.com:

Question: [What must be true in order for a rigid Saylor Foundat @The Introduction](#)

Flashcards:

<http://www.quizover.com/flashcards/what-must-be-true-in-order-for-a-rigid-saylor-foundat-the-introduction?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/what-must-be-true-in-order-for-a-rigid-saylor-foundat-the-introduction?pdf=3044>