

Quiz & Worksheet - Center of Gravity

1.

A 100 lb see-saw has a center of gravity above the fulcrum, the triangular piece in the center. Joe (Mass 1) weighs 90 lbs and sits 80 inches to the left of the fulcrum. Cindy (Mass 2), who weighs 75 lbs, sits on the right. How far from the fulcrum does Cindy need to sit so that Mass 1 and Mass 2 are balanced with respect to the fulcrum?

Hint: treat distance to the left of the fulcrum as negative



- ☐ 80 inches
- ☐ 96 inches
- ☐ 100 inches
- ☐ Not enough information

2.

Mark (Mass 1) who weighs 140 pounds sits on a seesaw weighing 110 pounds at a distance of 60 inches from the fulcrum (the center of gravity of the seesaw). Lucy (Mass 2) sits at a distance of 80 inches to the right of the fulcrum in order to keep the seesaw in balance. How much does Lucy weigh?

Hint: treat distance to the left of the fulcrum as negative



- ☐ 105 pounds
- ☐ 140 pounds
- ☐ 100 pounds
- ☐ Not enough information

3. Select the correct definition for center of gravity

- ☐ The point at which an object will balance on a fine or sharp edge
- ☐ The point at which all sides of an object are in balance
- ☐ The point at which weight is evenly distributed
- ☐ All of the above

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Gravity Questions And Answers

Michael Hoelscher



Gravity Questions And Answers:

Gravity Questions And Answers Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Gravity Questions And Answers**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve to the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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