

Calculating Mechanical Advantages

Calculate the Mechanical Advantages in each case:

- a. effort/weight of the load is 1/3 of the weight of the load, what is the mechanical advantage?

Answer: 300 Input: 300

The mechanical advantage of the system is 300.

- b. effort/weight of the load is 1/4 of the weight of the load, what is the mechanical advantage?

Answer: 400 Input: 400

The mechanical advantage of the system is 400.

- c. if the effort/weight of the load is 1/5 of the weight of the load, what is the mechanical advantage?

Answer: 500 Input: 500

The mechanical advantage of the system is 500.

- d. if the effort/weight of the load is 1/6 of the weight of the load, what is the mechanical advantage?

Answer: 600 Input: 600

The mechanical advantage of the system is 600.

Physical Science Calculating Mechanical Advantages

N Colangelo



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