

Calculating Work Message Decoder

Name _____

Solve each problem and write the matching letter on the blank above the answer.

N

A student applies a force of 6 newtons to move a book 1.5 meters across a table. How much work, in joules, did the student do?

O

How many meters can you push a chair, if you exert a force of 7 newtons while doing 56 joules of work?

B

How many joules of work is done by a person that pushes a shopping cart 4 meters with a force of 52 newtons?

U

How many newtons of force does a truck need to move a large boulder 12 meters across a lawn, using 2,400 joules of energy?

D

How many meters up a cliff is a 750 newton mountain climber able to scale if he does 9000 joules of work?

R

How many newtons of force do you need to move a couch 1.2 meters, using 228 joules of energy?

G

If 210 joules of work was needed to lift a 30 newton paint can, by rope, to a roof, how many meters was the paint can lifted?

F

How much work is done in holding a 15 newton sack of potatoes while waiting in line at the grocery store for 3 minutes?

E

If 68 Joules of work were necessary to move a 4 newton crate, how far was the crate moved?

What do you call a cow with no legs?

7 190 8 200 9 12 208 17 17 0

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7	190	8	200	9	12	208	17	17	0