Works, Power, and Energy
Solve the physics problems below!

How much power does it take to lift 30.0 N 10.0 m high in 5.00 s?

How much power does it take to lift 30.0 kg 10.0 m high in 5.00 s?

You move a 25 N object 5.0 meters. How much work did you do?

You carry a 20. N bag of dog food up a 6.0 m flight of stairs. How much work was done?

You push down on a 3.0 N box for 10. minutes. How much work was done?

You use 35 J of energy to move a 7.0 N object. How far did you move it?

You do 45 J of work in 3.0 seconds. How much power do you use?

A car uses 2,500 Joules in 25 seconds. Find power.