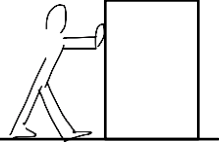


Corona Week 2

2 What Work Does & Grav PE



The person uses ___ N of force to push the box ___ m to the right. At the same time, the box experiences ___ N of friction.

Choose the person's force to be between 15 N and 30 N.

Choose the distance the box moves to be between 8 and 15 m.

Choose the force of friction to be between 5 and 8 N.

- How much work was done by the person?
- How much energy must the person have used up to do the work?
- What form of energy did the person use to do the work?
- How much work was done by friction?
- How much Heat was generated?
- How much KE did the box gain?



The person carries the ___ kg plant up to the top floor of the building, ___ m high and then drops it.

Choose the plant's mass between 2 and 6 kg.

Choose the height of the top floor between 20 and 40 m.

- What is the plant's Gravitational PE before being dropped?
- How much work did the person have to do to get it up there?
- How much Kinetic E will the plant have just before it hits the ground?