

REVIEW and REINFORCEMENT
What It Means to Do Work**Section**
15-1**KEY CONCEPTS**

▲ A force acting through a distance is work.

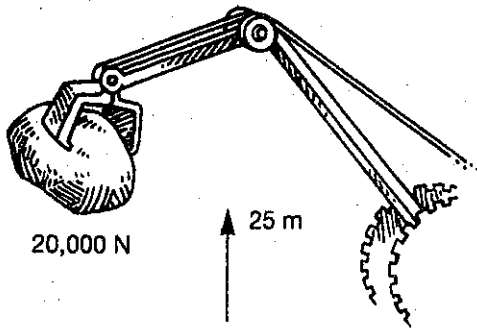
■ Building Vocabulary Skills: Understanding Definitions

Decide whether work is being done in each of the following situations. If you think work is being done, write W before the item number. If you think work is not being done, write N.

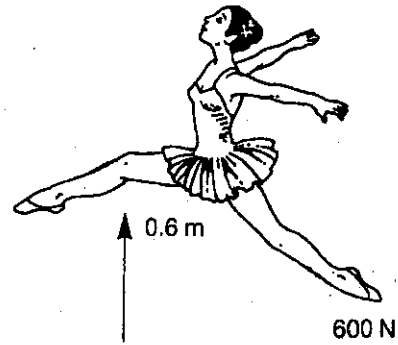
- _____ 1. You throw a baseball a distance of 20 meters.
- _____ 2. You lift a suitcase to put it in the overhead luggage compartment of a plane.
- _____ 3. You push against a brick wall until you are exhausted.
- _____ 4. You carry a heavy bag of cat litter home from the pet store.
- _____ 5. You slam a tennis ball across the net and score the winning point.
- _____ 6. You study all night for a science test.
- _____ 7. Your finger pushes down the RETURN key on a computer.
- _____ 8. You move a shovelful of snow from the driveway to the lawn.
- _____ 9. You and a friend push a heavy piano, causing it to move about 10 centimeters.
- _____ 10. You stand for half an hour in the freezing cold waiting for the bus to come.

■ Calculating Work: Applying the Main Ideas

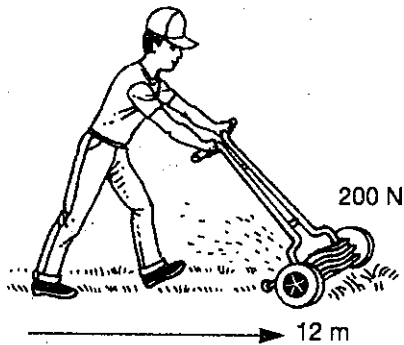
Determine how much work is being done in each situation. Be sure to use the correct unit in your answers. Keep in mind that you might find a situation in which no work is being done.



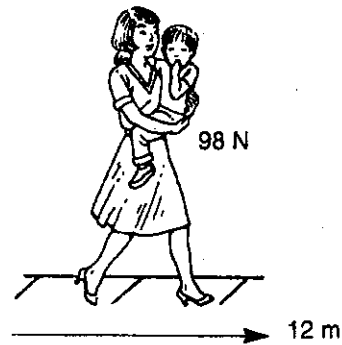
1. _____



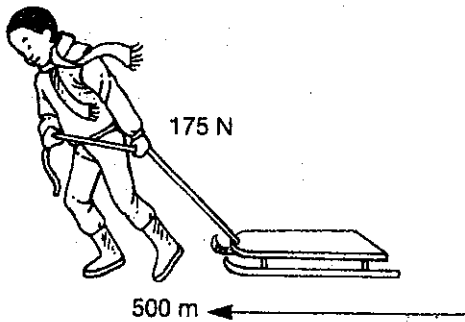
2. _____



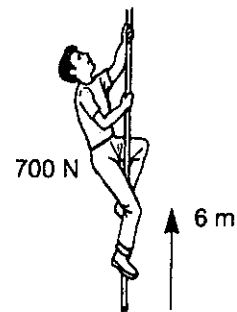
3. _____



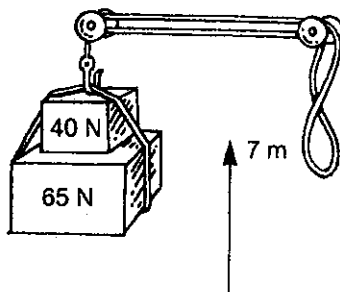
4. _____



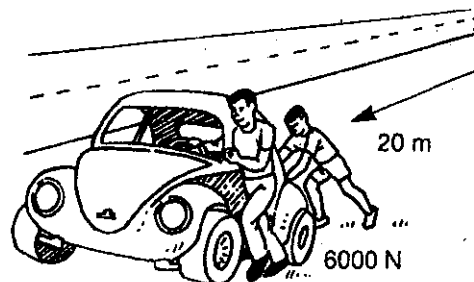
5. _____



6. _____



7. _____



8. _____