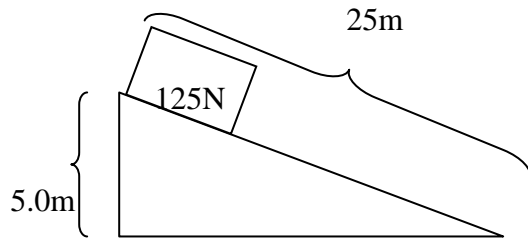
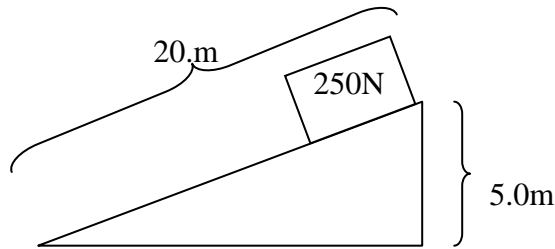


Name: _____ Period: _____ Date: _____

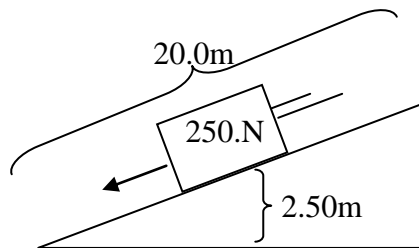
Solve the following problems. *Show your work.* Include a *label.*



1. What is the potential energy of the box at the top of the ramp? _____
2. How much force is needed to slide the box up the ramp? _____



3. What is the potential energy of the box at the top of the ramp? _____
4. How much force is needed to slide the box up the ramp? _____



The box starts to slide down the ramp

5. What is the potential energy of the box, now? _____
6. What is the kinetic energy of the box, now? _____
7. What is the velocity at the bottom of the ramp? _____