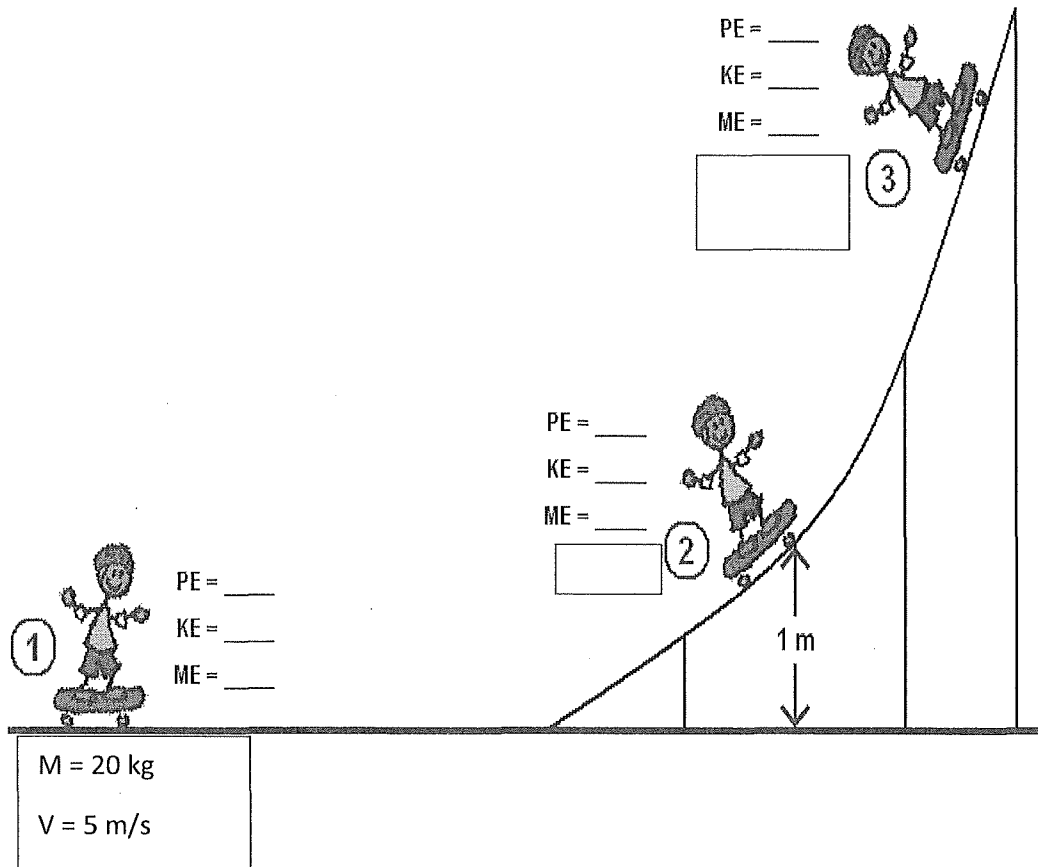


Class set Review for Test over energy, Cons. Of energy, work and power Class set

$g = 9.8 \text{ m/s}^2$ $P=W/t$ $W = Fd$ $PE = mgh$ $KE = 1/2mv^2$ $1/2 v^2 = gh$

1. Fill in all blanks:



2. How much force is needed if the work done is 10J and the distanced moved it 3m?
3. How far was the box pushed if the work done was 12J and the force was 3N?
4. How much work was done when the table was pushed with 5N of force for 7m?
5. How much power is there if you had 7J of work for 2s?
6. How much power do you have if you used a force of 9N to push an object 15m in 5s?
7. Power was 47W and it took 15s, how much work was done?
8. Your power was 53W and the force was 5N for 3m, how long did it take?