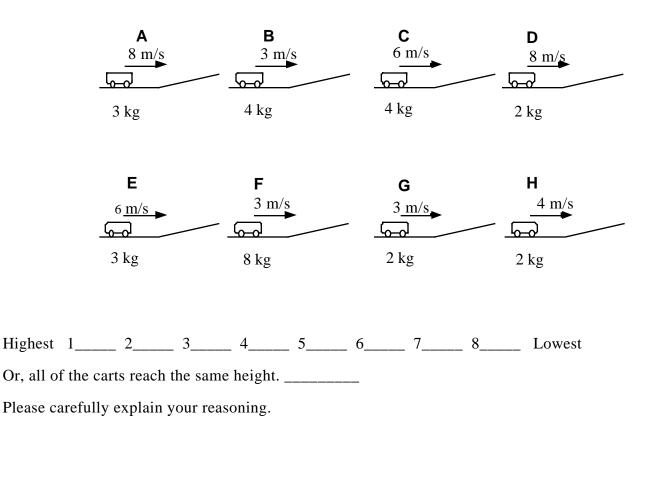
Carts on Incline—Height After Leaving Incline 53

Shown below are diagrams of situations where carts, initially moving along a horizontal surface, run up onto short inclines. The carts go up off the inclines. All of the inclines have the same angle, and they are very smooth, so there is essentially no friction. The masses of the carts and their speeds when they reach the inclines are given in the figures.

Rank the situations in order of how high the carts go after leaving the incline. That is, order the situations from the one where the cart goes highest (greatest vertical distance) to that where the cart goes lowest.



How sure were you of your ranking? (circle one)									
Basicall		Sure				Very Sure			
1	2	3	4	5	6	7	8	9	10