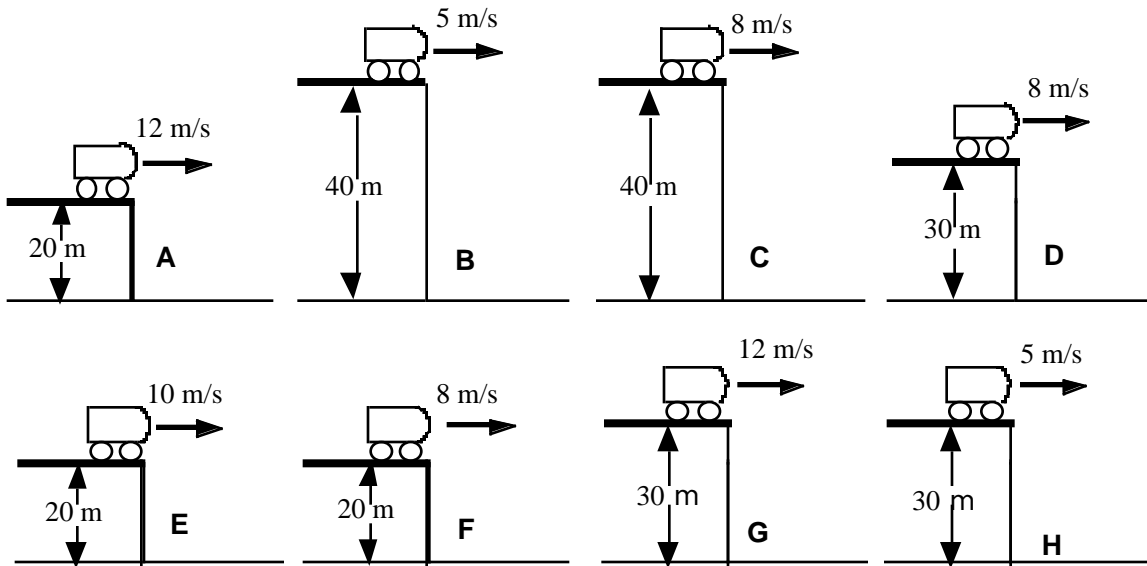


Toy Trucks Rolling Off Tables—Time in Air ⁴⁷

Shown in the eight figures below are toy trucks that are rolling along on tables. All of the trucks are identical. The tables they are on vary in height, and the speeds of the trucks vary. Specific values for the heights and speeds are given in the figures. Each truck rolls off the end of its table.

Rank these trucks from longest to shortest, based on how long the trucks are in the air. That is, put first the truck that takes the longest time to go from the edge of the table to the ground, and put last the truck that takes the least time.



Longest 1_____ 2_____ 3_____ 4_____ 5_____ 6_____ 7_____ 8_____ Shortest

Or, all of the toy trucks are in the air the same amount of time. _____

Please carefully explain your reasoning.

How sure were you of your ranking? (circle one)

Basically Guessed

Sure

Very Sure

1 2 3 4 5 6 7 8 9 10

⁴⁷ D. Maloney