

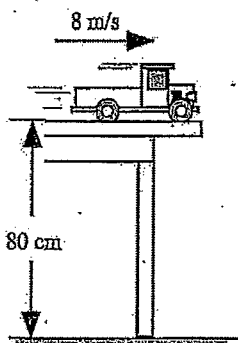
$$g = -10 \text{ m/s}^2$$

Toy Trucks off Tables - Impact Speed Notes

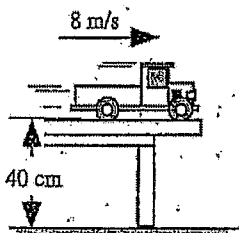
Each of the 2 figures shows a toy truck rolling off a table. The height of the table and the speed of the truck are given.

1. How far forward will each truck go before hitting the floor?
2. What is each truck's impact speed?
3. At what angle will each truck impact the ground?

A.)



B.)



C.) A toy truck rolls off a table of height 1.5 meters and lands a forward distance of 2 meters from the table edge.

1. Find the time in air.

2. Find the impact speed.

3. Find the impact angle.