

A truck carrying a heavy load slams on the brakes, locking the tires, and skids to a stop. The police later measure the length of the skid marks. How does the length of the skid marks depend on the mass of the truck?

1. The larger the mass, the longer the skid marks.
2. The larger the mass, the shorter the skid marks.
3. The length of the skid marks does not depend on the mass.