

- 10** Steel pellets, each with a mass of 0.60 g, fall vertically onto a horizontal plate at a rate of 100 pellets per minute. They strike the plate with a velocity of 5.0 m s^{-1} and rebound with a velocity of 4.0 m s^{-1} .

What is the average force exerted on the plate by the pellets?

- A** 0.0010 N **B** 0.0054 N **C** 0.0090 N **D** 0.54 N

- 11** The diagram below shows a light ray incident on a horizontal surface.