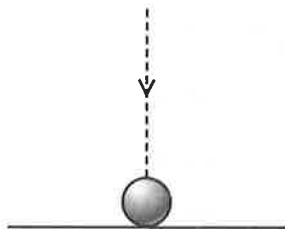


- 5 A ball falls vertically on to a horizontal surface. The momentum of the ball just before it hits the surface is p .



The ball collides inelastically with the surface and rebounds from it.

What is a possible value for the magnitude of the change in momentum of the ball from just before until just after contact with the surface?

- A** $0.5p$ **B** $1.0p$ **C** $1.5p$ **D** $2.0p$

- 6 A brick rests on the floor. The forces on it are its weight W and a support force S from the floor.