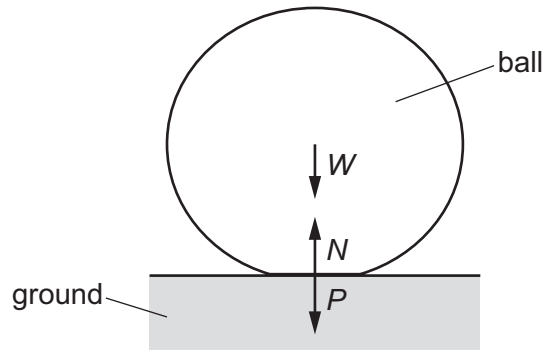


- 9 A ball is dropped onto horizontal ground and bounces vertically upwards. When the ball is in contact with the ground, the following forces act:

- the weight  $W$  of the ball
- the contact force  $P$  exerted on the ground by the ball
- the contact force  $N$  exerted on the ball by the ground.



When the ball is in contact with the ground, the ball is momentarily stationary.

At this instant, which relationship is correct?

- A**  $N = P + W$       **B**  $N > P + W$       **C**  $N = W$       **D**  $N > W$