

Day 51

1. Ball hits bat
Car pushes man
Bug hits bus
2. Athlete hand on ball pushing inward; Ball on athlete hands outward
Foot pushes downwards on the floor; Floor pushes upwards on the foot
Foot pushes rightwards on the ball; Ball pushes leftward on the ball.
3. false, your body pushes down on the earth
4. $\uparrow F_N = 600\text{N}$ upward
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 $\downarrow F_G = 600\text{N}$ downward
5.
 - a) equal to; greater than
 - b) equal to; greater than
 - c) equal to; less than
 - d) equal to; equal to

To calculate acceleration: $V_f^2 = V_i^2 + 2ad$

Force of the bullet: $F = ma$