

7. If a car speeds up from 40 km/hr to 100 km/hr in 3 seconds, what is the acceleration?
8. What was the final velocity of a runner that ran the 200 meter dash if the acceleration of the runner was 2 m/sec^2 and the race was completed in 9.5 seconds?
9. What was the acceleration of a motorcycle that accelerated from a red light to 18 m/sec in only 3.4 seconds?
10. How much time did it take for a car to come to a stop if its deceleration was -4 m/sec^2 and its initial velocity was 40 m/sec?

Bonus Question

If a car was traveling 1600 meters in 2 minutes, what was the car's velocity in km/hour?