ACCELERATION notes

- Acceleration is the _____ in velocity's _____ (speed or direction)

    Example: A car speeding up or slowing down or changing direction.
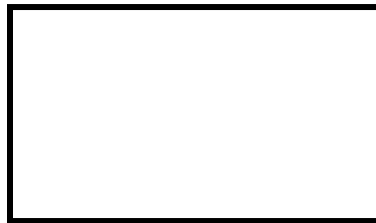
    - Positive Acceleration- speed is increasing

    - Negative acceleration (_____)-speed is _____.

    - Formula:

    Acceleration = change in _____ divided by _____

    *** Change in Velocity = final velocity _____ initial velocity

    - Acceleration = final velocity – initial velocity

                                                    time

Practice:
A. A car accelerates from a standstill to 60 km/hr in 10.0 hrs. What is the car's acceleration?

B. A runner achieves a velocity of 11.1 m/s only 9 seconds after he begins. What is the runner's acceleration?

C. A train decreases its speed from 80 mi/hr to 50 mi/hr in 0.20 hours. What is the train's acceleration?