Acceleration

____ 1. What is acceleration?

____ 2. When is an object accelerating?

____ 3. What is the difference between positive and negative acceleration?

____ 4. How is acceleration calculated?

____ 5. Two ways the unit for acceleration to be written.

____ 6. What the slope of a velocity-time graph indicate?

a. change in velocity divided by the time it takes

b. the rate of change in speed and/or direction

c. m/s and km/s

d. the way speed is changing speeding up versus slowing down.

e. when it changes speed or direction

f. km/s^2 and km/s/s

g. the speed at which an object is traveling

7. An inline skater traveling in straight line goes from 3m/s to 9m/s in 3 second. What is the acceleration?

$$\frac{\text{ending velocity} - \text{beginning velocity}}{\text{time}} =$$

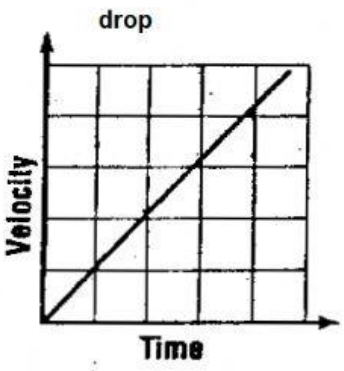
unit (could be more than one correct unit)

m s m/s m/s/s m/s^2

Drag and drop to identify the graph.

negative acceleration | constant speed | positive acceleration

drop



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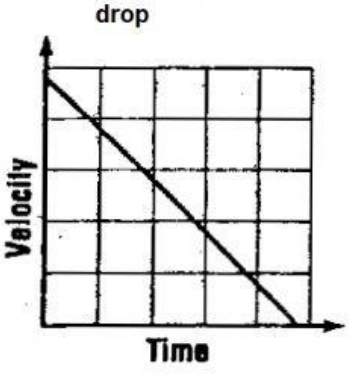

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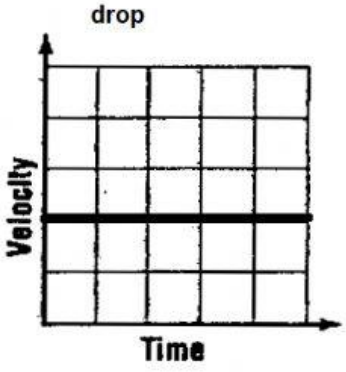

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