NUMERICAL WORKSHEET FOR CLASS 7 MOTION

1. A stone dropped from top of a building reaches the ground in 4seconds. If the acceleration due to gravity is 9.8m/s^2 . Find the velocity of the stone on reaching the ground.

2. A body with the initial velocity of 10cm/s has an acceleration of 8cm/s^2. What is its velocity after 20s.

3. A body starts from rest and moves with an acceleration of 12cm/s^2. What is its velocity after 10s?

4. A body with an initial velocity of 72km/hr has a uniform acceleration of 3m/s^2. What is its velocity after 6s ?

5. A body moving with a velocity of 50cm/s undergoes a uniform acceleration of 20cm/s^2. What is its velocity after 4s ?

6. A train has a initial velocity of 10m/s. After 8s its velocity is 20m/s . What is the value of its acceleration ?

7. A car covers a distance of 180km in 3hours. Find the speed of the car.

8. A motor cycle is running at a constant speed of 20m/s. How much distance will it cover in 40sec?

9. A car starting from rest picks up a velocity of 20m/s over a period of 40seconds. Find the acceleration of the car .

10. A car is moving with an initial velocity of 10m/s. If it has an acceleration of 2m/s^2,find its velocity after 5seconds.

11. A bus is traveling at a speed of 20m/s when brakes are applied. It comes to rest in 10s .Calculate the retardation produced .

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12. A car is traveling with a certain speed . Its final velocity is 25m/s in 10s accelerating at the rate of 1.5m/s^2. Find the initial velocity of the car.

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