

Name: _____

Period: _____

1. Using your “How to Solve Word Problems” page solve this problem: *A 15 kg object is going 2 m/s. How much momentum does the object have?* (You must show work for full credit: follow the steps shown.)

2. Give the units for the following quantities:

_____ Acceleration _____ Momentum _____ Distance
 _____ Mass _____ Energy _____ Work
 _____ Velocity _____ Power _____ Time

3. Fill in the math functions (which functions are shown).

$S_2 - S_1 = S_2$ _____ S_1 $Tv = T$ _____ v
 $F/a = F$ _____ a $mv = m$ _____ v

4. Given $D = Tv$; to move v you would have to use:
 5. Given $S = \Delta D/\Delta T$, to move ΔT you would have to use:
 6. Given $\Delta S = S_2 - S_1$, to move S_1 you would have to use:
 7. Given $W = Fd$, solve for force:

Remember to get a calculator!!!!

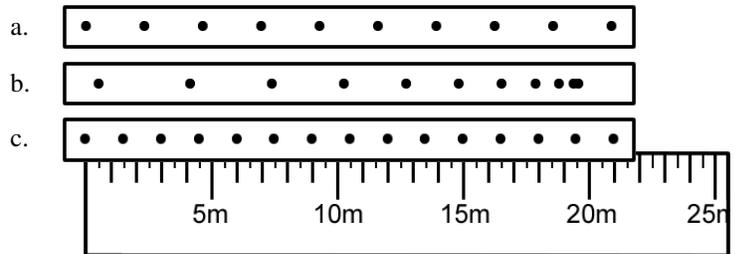
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8. A car travels 120 meters in 3 seconds.
Find the speed of the car. (Show all 4 steps for credit)

9. What does “ Δ ” mean?
 10. Car starts from rest and ends up 45 meter away.
Find ΔD for the car.

11. Car A and Car B travel 500m, but Car B has a faster speed.
 A. ___ Which car took more time to complete the trip?
 B. ___ Which car traveled farther?
 12. What is the speed of an object 10m from you for 2 seconds?

13. The following show the positions of three objects. Assume each dot is 1 second apart. (The first dot is at 0 seconds.)



- A. ___ Which represents constant speed?
 B. ___ Which is faster: a or c?
 C. ___ How long does it take for it to go 15 m?
 D. Find the speed of object C.