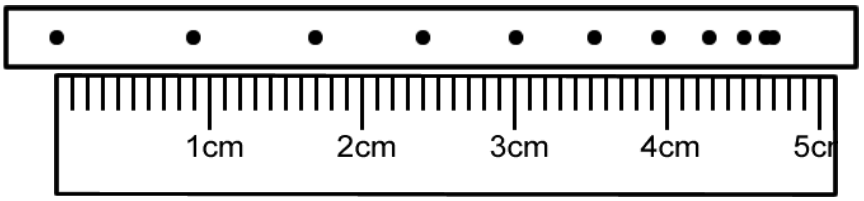
A-Day: due Mon 9/11 (Assigned Thurs., 9/7)
B-Day: due Tues 9/12 (Assigned Wed., 9/8)

Measuring 10
Review for Test

Mr. Murray's Regular Physics



Use the tape timer to answer the following:

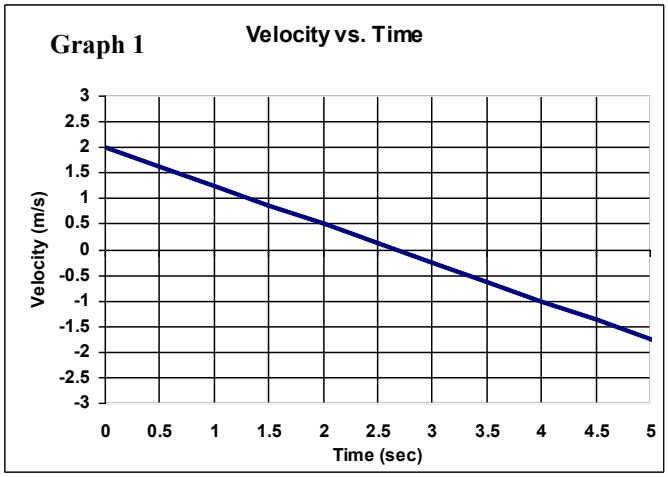
1) Does it show acceleration or constant velocity?
2) Each dot shows 0.2 seconds.
   A) Find the velocity between the first two dots. (Find distance and time, etc.)

   B) Find the velocity between dots 5 and 6.

   C) Find the change of velocity from part A to part B above.
   D) You are going from the first dot to dot 6, what is the time? (Don't count first dot.)
   E) Find the acceleration from dot 1 to dot 6.

3) Using Graph 1:
   A. What does the slope tell us on this graph?
   B. What does the initial velocity tell us?
   C. Find the slope of the graph.

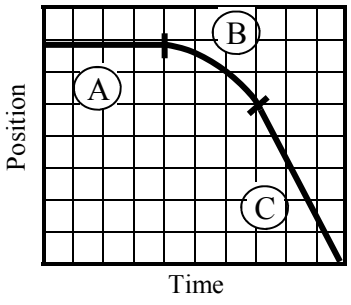
   D. How fast will the object be going 23 m/s?



Use Graph 2 to answer questions 4-9

4) The slope of this graph shows us what?
5) Does position change during segment A?
6) Then what is the object doing during segment A?
7) During segment C, is the object moving forward, or backward?
8) So what is the object doing during segment C?
9) Then, if the object is changing from A to C, what is the object doing during segment B?

Graph 2 Position vs. Time



10) A teacher is giving a timed test. She wants each question to take 45 seconds. How many minutes would she need to give the students to complete a 50 question test?

11) Convert 12 m/s to mph. (5,280 ft = 1 mile; 3.3 ft = 1 meter)

12) Do the following calculations, giving your answers with the correct number of significant figures.

A) 12,000 + 56.2 = _____
B) 18 x 3 = _____
C) 2.0040 ÷ 6.045 = _____
D) 340 – 0.0245 = _____

13) An object going 5 m/s stops. What is its change of velocity?

14) An object at rest ends up going –15 m/s in 3 seconds. Find how far it traveled.

15) What is the acceleration of a dropped or thrown object?
16) What is the initial velocity of a dropped object?
17) An object is thrown up into the air at 8 m/s from the ground.
How fast will it be going just before it hits the ground?
18) You throw an object up into the air,
A) Is its velocity positive or negative?
B) What is its acceleration?
C) Is its Δy + or -?

19) An object is dropped from 12 m. How fast is it going before it hits the ground?

20) An object is dropped from 22 m. What is its displacement just before it hits the ground?

21) An object is thrown into the air at 16 m/s. How high does it go?

22) Why do poisons collect more in carnivores than in herbivores?

23) Why is it important that we make construction and mining companies collect their waste water?

Make sure you know how to draw a food web. Know the four kinds of symbiosis (see website: biology/ ecology, etc)

Study hard!