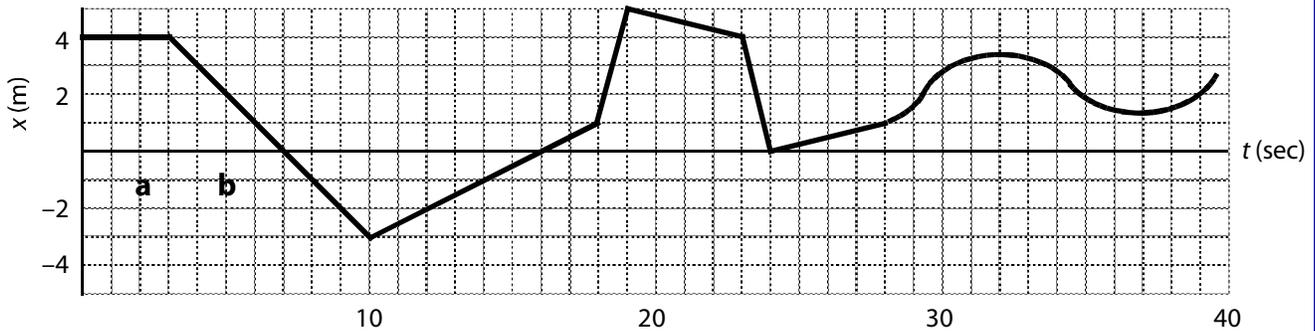*Felix*

1. In *PhyzJob: Little Dudes I,* we learned how to plot position *vs.* clock reading graphs for our little dudes. We also learned that the slope of the line formed by plotting position *vs.* clock reading had a very specific meaning.
a. What was it? (Write a complete statement in words.)

The slope of position vs. clock reading is velocity

b. Write an algebraic statement with the terms Δx, Δt, and v that has the same meaning as the statement above.

$v = x/ t$

2. Apply the finding above to determine the velocity of the body whose position *vs.* clock reading is shown in each case below at each of the clock readings indicated.

a. 2.0s
   v = 0

b. 5.0s
   v = −1m/s

c. 9.0s
   v = −1m/s

d. 13.0s
   v = 0.5m/s

e. 18.7s
   v = 4m/s

f. ___**21.8**___ s
   v = −0.25m/s

g. ___**23.3**___ s
   v = −4m/s

h. ___**27.3**___ s
   v = 0.25m/s

i. ___**32.0**___ s
   v = 0

j. ___**34.5**___ s
   v = −1m/s

k. ___**37**___ s
   v = 0m/s

3. Use the information above to plot the velocity *vs.* clock reading graph for the body for the first 28 seconds of its motion. (We will learn to plot the remainder of the velocity graph in a future unit.)