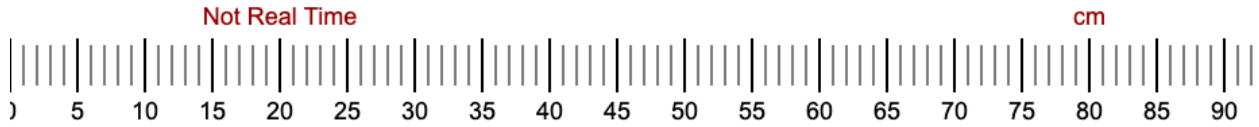


Speed of Pac-Man on x-Axis

Step 1: Show the starting and ending locations of your Pac-Man on the number line below. Also give the time that this distance required



Step 2: Calculate the speed for your Pac-Man in centimeters per second. Show your work neatly in the space below

Step 3: Show the factor-label conversions to change your speed from cm/s to meters/min and km/day. Enter your answers into the program to make sure you did everything correctly

Step 4: Would you expect to get a smaller percent error for your speeds if you allow the Pac-Man to travel a large distance like 80 cm or a short distance like 8 cm? Why?

Step 5 (Optional): Also convert your speeds into meters per second and miles per hour