

## Motion Map Madness, Part 1

Construct a motion map to illustrate each of the motions described below. Assume that the motion is uniform between the given measurements. Please use 1 dot for each second.

1. A buggy moves from  $x=0$  cm to  $x=50$  cm between the moments  $t=0$  s and  $t=5$  s.



2. A buggy is located at  $x=0$  cm when a clock reads 0 s, and later has a position of  $x=80$  cm when the clock reads 4 s.

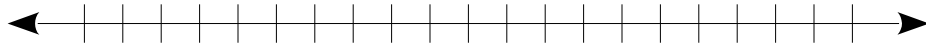


3. The following measurements were made of a buggy in motion:

Clock reading (s)	Position (cm)
0	20
1	40
2	60
3	80
4	100



4. A buggy starts at  $x=0$  cm, and 6 s later it's at  $x=-30$  cm.



5. A buggy was observed and these data were collected about its behavior:

Clock reading (s)	Position (cm)
0	30
1	20
2	10
3	0
4	-10
5	-20

