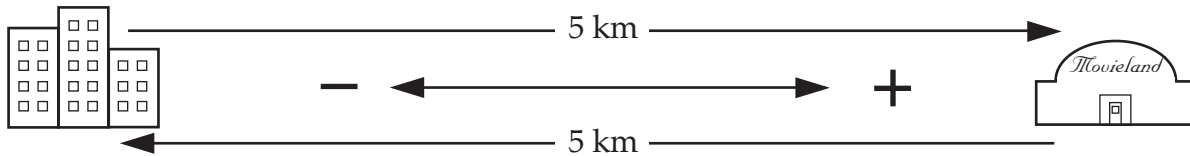


# SHOW TIME A

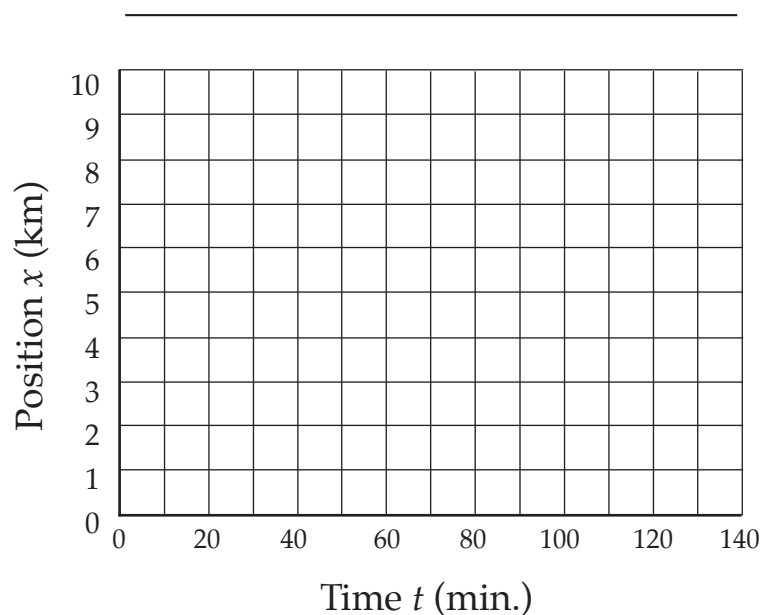
Sue Ellen and Josie went to the show Saturday afternoon. Josie's mom drove them the 5 kilometers to the show. The ride took 10 minutes.

The movie, *The Lizard Queen*, lasted 1 hour and 20 minutes. The girls then jogged home. It took them 40 minutes.



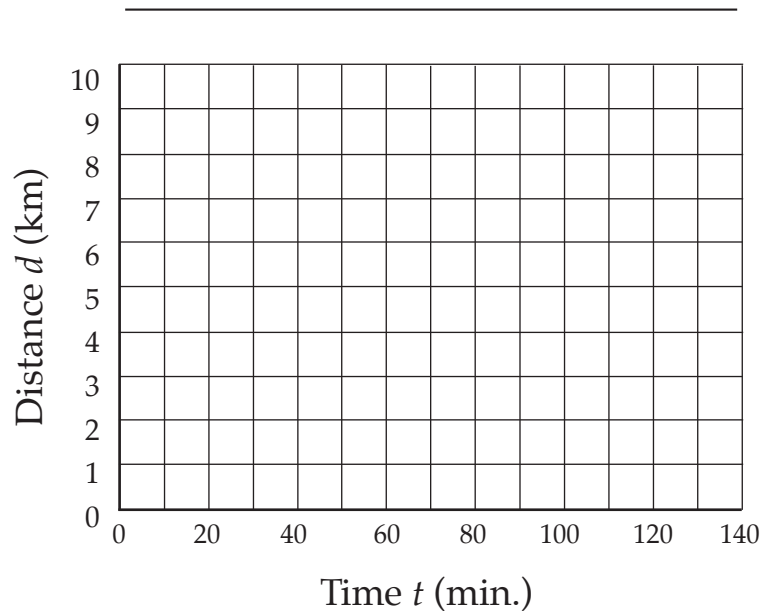
Leg	Time at end of leg $t$ (min.)	Position at end of leg $x$ (km)	Time interval during leg $\Delta t$ (min.)	Displacement during leg $\Delta x$ (km)	Total distance of travel $d$ (km)
0	0	0			

a. Make a position graph that represents the girls' outing.



**SHOW TIME B**

- b. Make a distance graph that represents the girls' outing.



- c. What was the average speed for leg 1 of the trip? Show your math.

- d. What was the average speed for leg 2 of the trip? Show your math.

- e. What was the average speed for the whole outing? Show your math.