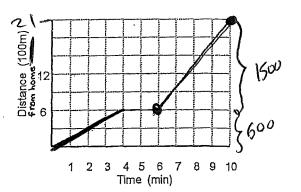
53: INTERPRETING GRAPHICAL MODELS

EXAMPLE 1:

This graph shows the relationship between distance and time for a cyclist going from school • to the local arena. Distance is being measured from the cyclist's point of departure, the school.



a) Complete the following chart:

Time (min.)	Change in Distance	Interpretation
0 - 4	600 m	He user away from school = 600 150 covering 600m in 4mins (Speed = 4 = m/min He is talking rest. Speed = 0 m/min bromins
4 - 6	Om	
6 - 10	1500 m	the went away from school, the reached arena located 2 low moren school.
b) Write a story	/ to match the graph.	Time = 4 mins Distance = 1500 = Speed = 1500 = 4 375m/

Distance (100m) V.

from home

10

20

30

Time (min)

50

40

EXAMPLE 2:

)

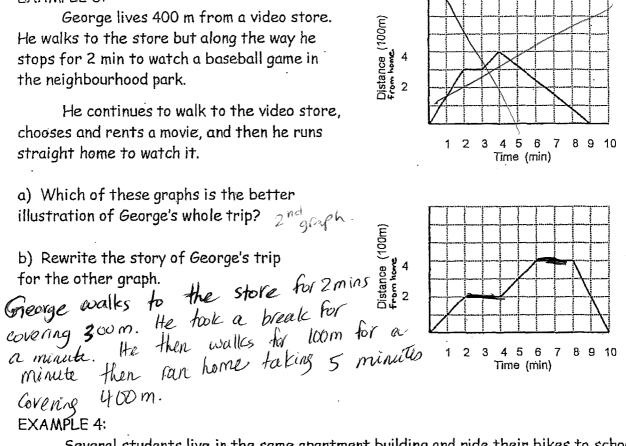
This graph shows the relationship between distance and time for a student leaving the house and going for a walk.

a) Complete the following chart.

Time (min.)	Change in Distance	Interpretation
0 - 10	2000 m	He went away from home.
10 - 20	Üm	Took Kest
20 - 50	-2000 m	He walked back to home.

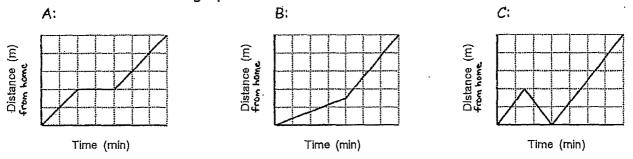
b) Write a story that would illustrate this distance - time graph. A: He went away for a walk at a constant speed. For 10 mins covering 2000 m. Speed = 2000 = 200m/min B: He tack rest for 10 m. (Speed = 0 m/min) C: He walked towards home for 30 mins covering 2000 m (Speed = 2000 = 66,67 m/min)

EXAMPLE 3:



Several students live in the same apartment building and ride their bikes to school each morning.

Look at these three graphs and read the two stories.



Ken: I started off to school but remembered that I had left my homework on the table. I rode back home, picked the homework up, then went quickly to school.

Jim: On the way to school I met Marty. I stopped to talk to him for a few minutes, then rode quickly to school. A

a) Which story goes with which graph?

b) Write a story that Rob might have told, if his trip were illustrated on the remaining graph. B: He walked at a constant rate. Realizing he was late for school, Sped up to get to School on time.

5.4.1: A Runner's Run

) () hris runs each day as part of his daily exercise. The graph shows his distance from home as he runs his route.