

Fig. 1: Sheet of the Activity 1

Activity 1: write a story that corresponds to the graph in Fig. 1.

Activity 2: matching a graph with a story (Fig. 2). Translated in French, the task has been copied and pasted in Maple TA.

### Matching a Graph to a Story

A. Tom took his dog for a walk to the park. He set off slowly and then increased his pace. At the park Tom turned around and walked slowly back home.

B. Tom rode his bike east from his home up a steep hill. After a while the slope eased off. At the top he raced down the other side.

C. Tom went for a jog. At the end of his road he bumped into a friend and his pace slowed. When Tom left his friend he walked quickly back home.

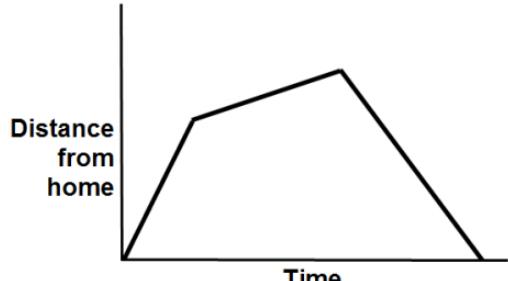


Fig. 2: Question entered in Maple TA

### Session 2 (day 2)

Feedback on the classroom's scores regarding the Activity 2 (Fig. 2).

Sharing and discussion about the students' stories concerning the Activity 1 (Fig. 1).

### Session 3 (day 2)

Activity 3: Matching ten graphs to ten stories (Fig. 3) on Maple TA.

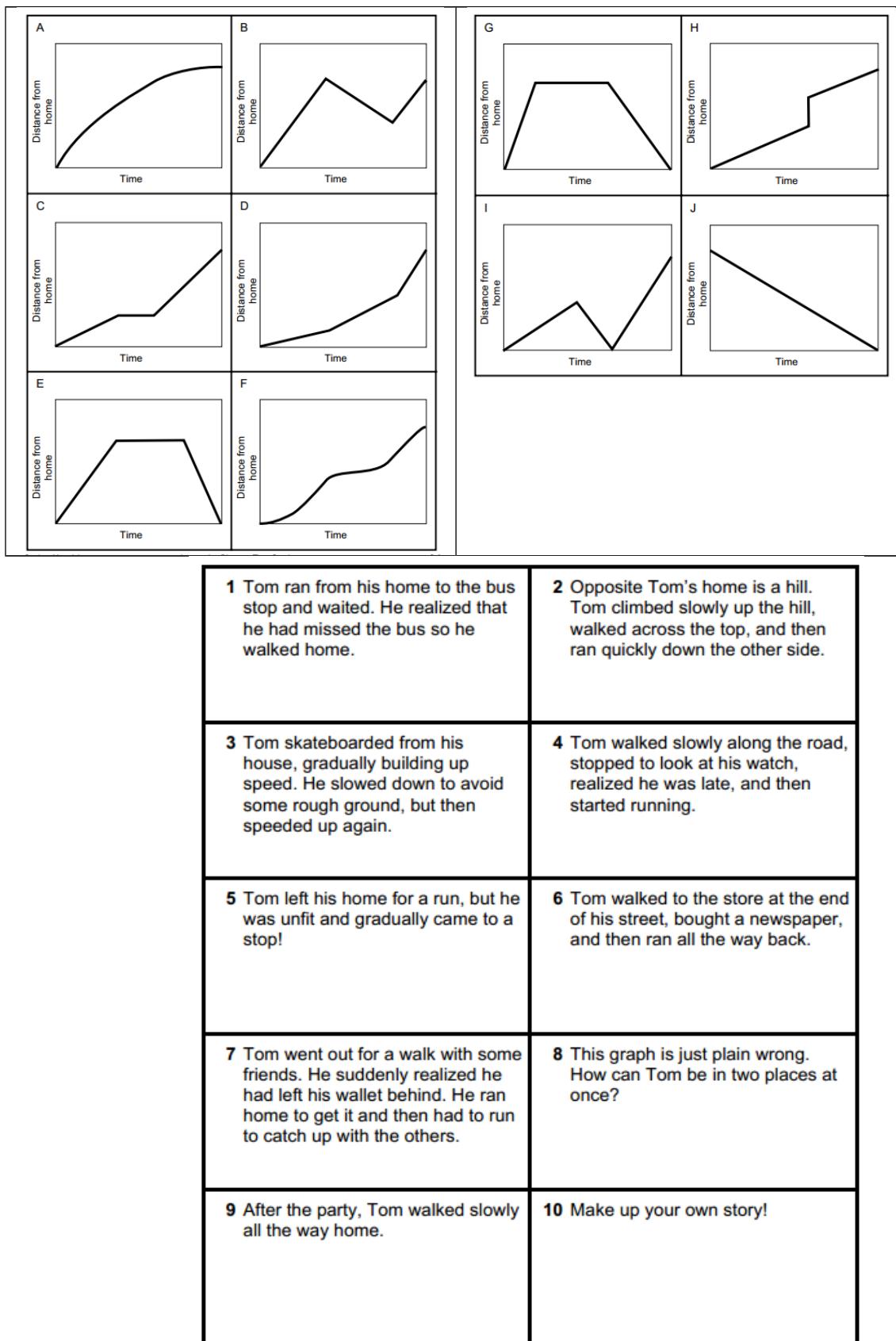
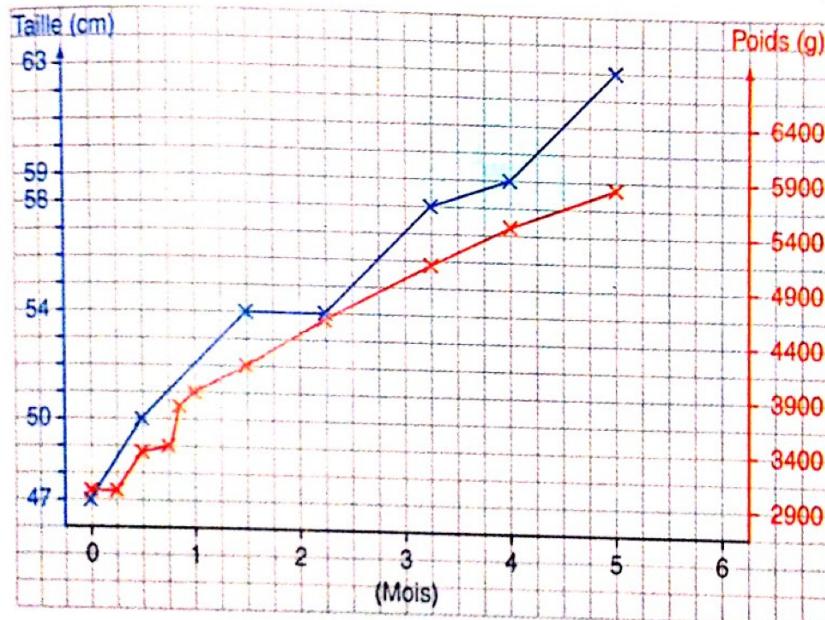


Fig. 3: Activity 3 entered in Maple TA

### Activity 3

On the coordinate plane, two curves represent the growth of a baby: the size (cm) and the weight (g) over time (months).



Source : [balmana.web.chez.tiscali.fr](http://balmana.web.chez.tiscali.fr)

- What does each curve represent? Where are placed the graduations of the size? Where are placed the graduations of the weight?
- Between which ages have the curves been constructed?
- Which were the size and the weight of the baby at his birth?
- At the age of 3 months, what was the size and the weight of the baby?

## Activity 4

The following table collects the max. and min. temperatures measured every day for 15 days.

Day	Temperature Max °C	Temperature Min °C
1	2.1	-0.9
2	2.3	-0.9
3	1.8	-1.7
4	-0.4	-4.1
5	0.3	-1.2
6	-0.7	-3.8
7	0.2	-8.9
8	1.8	-1.7
9	-0.3	-6.4
10	1.9	-6.3
11	3.6	-6.3
12	5.8	-2.1
13	6	3.1
14	5	3.2
15	3.6	0

- 1a. In a coordinate plane, place the points that represent the max temperatures, marking the days on the x-axis and the max temperatures on the y-axis.
- 1b. In the same way, place the points representing the min temperatures.

And they had to answer the following questions:

2. Which were the hottest days? Which were the coldest days?
3. How many times did the temperatures increase for a day to the next one?
4. How many days have the temperature been under 0 °C?