

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.

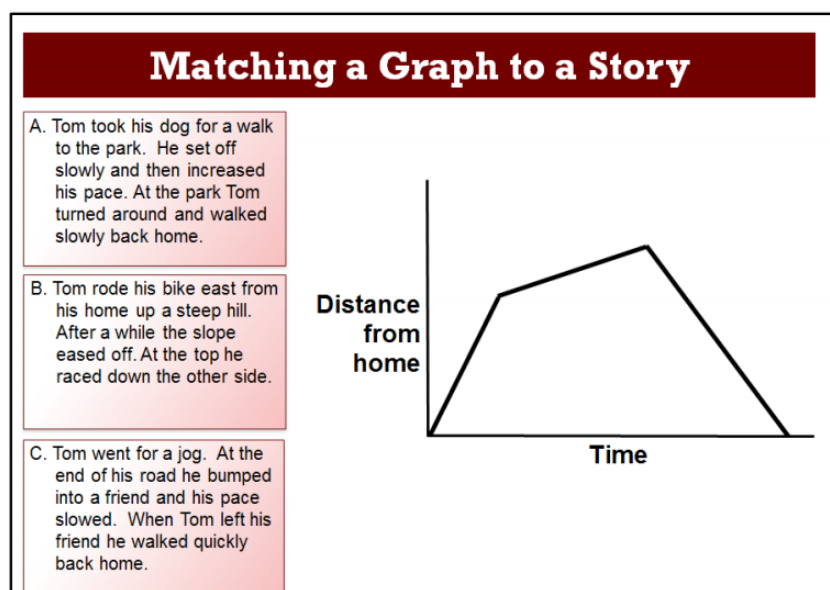


Fig. 2: Question entered in Maple TA

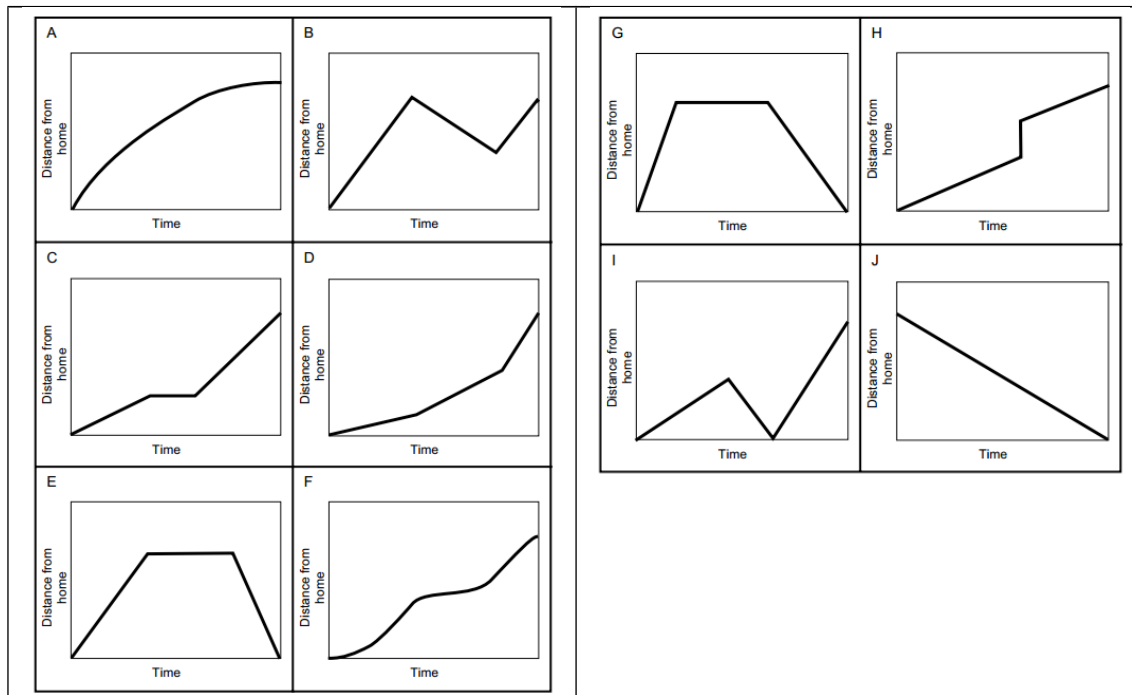
Session 2 (day 2)

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.

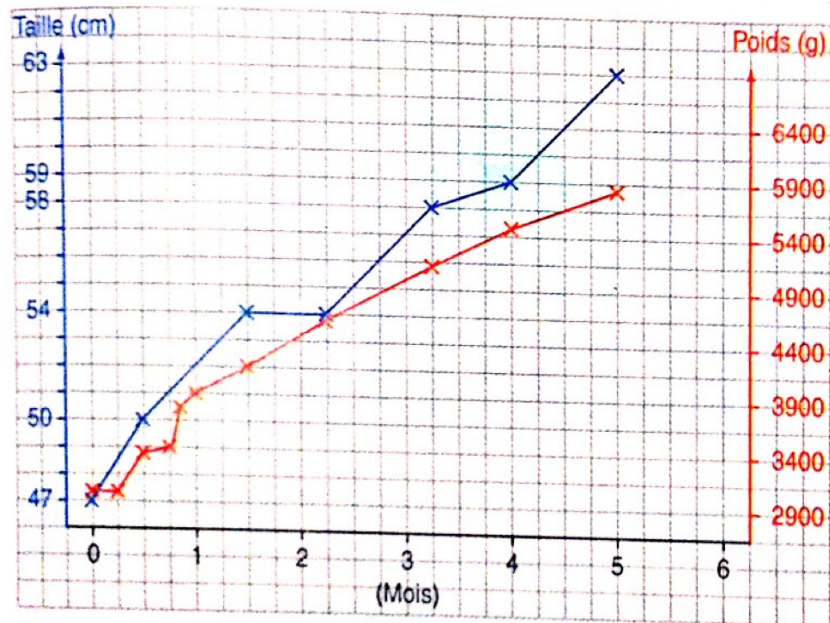


1 Tom ran from his home to the bus stop and waited. He realized that he had missed the bus so he walked home.	2 Opposite Tom's home is a hill. Tom climbed slowly up the hill, walked across the top, and then ran quickly down the other side.
3 Tom skateboarded from his house, gradually building up speed. He slowed down to avoid some rough ground, but then speeded up again.	4 Tom walked slowly along the road, stopped to look at his watch, realized he was late, and then started running.
5 Tom left his home for a run, but he was unfit and gradually came to a stop!	6 Tom walked to the store at the end of his street, bought a newspaper, and then ran all the way back.
7 Tom went out for a walk with some friends. He suddenly realized he had left his wallet behind. He ran home to get it and then had to run to catch up with the others.	8 This graph is just plain wrong. How can Tom be in two places at once?
9 After the party, Tom walked slowly all the way home.	10 Make up your own story!

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.chetz.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:

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