



PUZZLING CARTOON

- THE FURIBARDE -



Educational Goals

- ❖ Develop logic
- ❖ Highlight the playful potential of mathematics
- ❖ Distinguish a position according to time

Key Features of the Targeted Competency

- ❖ To define the elements of the mathematical situation
- ❖ To mobilize and apply mathematical concepts and processes appropriate to the given situation
- ❖ To justify actions or statements by referring to mathematical concepts and processes

Concepts Used

- ❖ Represent data in table form
- ❖ Arithmetic (addition and subtraction)
- ❖ Distance
- ❖ Time

Materials

- ❖ Video of the puzzle
- ❖ Sheets of paper
- ❖ Pencils
- ❖ Written copies of the puzzle (optional)

Targeted Academic Level
Grades 7-8

Mathematical Field Concerned



Suggested Teaching Formula



Time Required
Approximately 25 minutes



SUGGESTED PROCESS



Step 1: Introduction (3 minutes)

Present the video of the puzzle a first time (www.amazingmaths.ulaval.ca).

A written version of the puzzle is available via the Explanation Sheet. If you believe it is necessary, you can project it or distribute copies to your students.

Present the video a second time to allow the students to thoroughly understand the information. You can pause on the last image (before the question mark) where all the information can be seen and leave it displayed on the board.

Step 2: Finding the solution (17 minutes)

Place the students in pairs so they can try to find the solution. Encourage the students to write down the elements of information given by the affirmations. Give the students the idea to make a table, a graph or a number line to represent the two creatures' positions according to time.

Step 3: Reveal the solution (5 minutes)

Make two students come to the front of the class. One will be the Furibarde and the other the Lapgourou. To illustrate the solution, one metre will equal one step. Do the puzzle again in the front? It is the other students of the class who will count the seconds. This will allow the students to visualize the solution. Then, refer to the Explanation Sheet for the puzzle "The Furibarde".