



RALLYE MATHÉMATIQUE du Cantal 2014/2015

Règlement pour les CM1/CM2/6ème

Régulation (For 9, 10, 11 years old)

THE PRINCIPLE:

All the students of a same class (maximum of 25 children) are together in a room and have an hour to solve a series of 6 math problems . They can use all documents and materials they want but should not receive any help.

OBJECTIVES:

- To do mathematics in solving problems in a numerical domain, or geometric domain or logic domain, in a pleasant environment.
- To organize collectively and work in teams. It is hoped that students can realize that at first, they can work alone but then, it is often more efficient to work together.
- To encourage the mathematical discussion.
- To involve all students in the classroom and in the groups.
- To make students responsible with the full support problems to solve: how will we divide up the work, how will we list the various proposals, how will we decide and how to avoid being overwhelmed by time?

REGULATION:

The teacher is not working with the students and should not intervene except to maintain a speech turn ordered.

EQUIPMENT:

The teacher provides students the authorized equipment: rulers, tracing paper, compass, squares, calculators, crayons, draft, scissors, dictionaries, computers, interactive whiteboard ... If the teacher deems it necessary, it can enlarge the text of the math problems according to the needs of students.

The organization of the event:

- It is a collective competition, it means that is the whole class wich involved in the work.
- A list of 6 challenges is offered to the entire class, 3 or 4 must be resolved.
- The teacher distributes the texts of problems. He can give explanations about vocabulary.

He may propose an individual research for **10 minutes** on a problem in the choice of students.

Then, he makes groups for the research phase, phase during which, he does not intervene, except for providing the material. The groups then, have **about 20 minutes** for the research, then **about 20 minutes for** the collective synthesis and the final choice of 3 or 4 solutions and finally **about 10 minutes** to write the answer and to and to send it.

For each maths problem there is a number of points.

1. Each class has the same starting capital of 100 points.
2. If one problem is successful, the class mark the corresponding points that are added to capital.
3. If the proposed solution is false, the corresponding points will be deducted from capital.
4. If there is not 3 answers (only 2 or 1), a package of 10 points will be removed by unsolved problem.
5. A fourth problem "BONUS" can be solved for which only successfull answer will be taken into account (so no points removed in the event of failure). In answer sheets containing 4 solutions, this

problem will be identified by the corrector like reporting the fewest points among the 4 sent. These problems are the same for CM1, CM2 and 6th levels (9, 10, 11 years old). A bonus of 2 points is awarded to classes with only CM1 (children who are 9).

The rally takes place over three rounds (one in December, the second in February and the third in April)

How to send the answers ?

Each class will receive, with the set of 6 problems, an answer sheet. At the end of the hour, students complete the answer sheet (note simply the solution, do not write justification unless it is explicitly requested in the statement), and then this answer sheet will be sent preferably by e-mail to:

Pascale.Drelon@ac-clermont.fr

or alternatively by post to the following address:

Rallye Mathématiques Inspection Aurillac 3- Rue de l'école normale
15013 Cedex Aurillac

I send you a training test and its correction, you can propose it to your students for training