



Monday cup #12-

Posted on: June 17, 2019

Due on: June 23, 2019



Problem

Lower Elementary:

Question: $1 - 2 + 3 - 4 + \dots - 98 + 99 =$

Upper Elementary:

Question: (italiano) PROBLEMA NUM: 136 - CATEGORIA: generic
<https://www.pianetaproblemi.it/problema-136-generici.php>

Middle School:

Question:

Trois hommes ont à partager 21 tonneaux sept pleins à demi Je demande comment se peut faire le partage, en sorte que tous trois aient un égal nombre de tonneaux, et égale quantité de vin (français)



Algebra and Up:

Question:

Define $[a, b, c]$ to mean $\frac{a+b}{c}$, where $c \neq 0$. What is the value of

$[[60, 30, 90], [2, 1, 3], [10, 5, 15]]?$

There were correct solutions from Gigi zakaradze (Georgia, the country).

The prize was split between zakaradze

Rules

1. Anyone is eligible to participate. Each solution is to be the work of one individual without any input from faculty or others. An answer must be accompanied by appropriate justifications to be considered correct.
2. The solution is to be submitted with the solver's name, email, year in school (if applicable), local phone number, and local address. If you are submitting this for possible credit in a class, include your class number and instructors name.
3. The solution is to be typed or legibly written. Solutions must be submitted to the by 2 p.m. on the due date.
4. Entries will be graded on clarity of exposition and elegance of solution. An award of **GEL10** will be given for the best correct solution. In the case of a two-way tie, the award will be split. If there are more than two best solutions, a drawing will be held to determine two award winners.
5. Graduate students, faculty, and members of the general public are encouraged to submit solutions, but they will not be considered.

გამზადთოს თასო, кубок понедельника, Monday cup, Coppa del lunedì, Coupe du lundi
Solution for this problem can be submitted proveweek@gmail.com