

Problem of the Week

Proposed by Bernardo Ábrego and Silvia Fernández.

September 20-27

Today, September 20, 2004, is my birthday and I noticed a curious fact: My father's age (in whole years) is exactly twice mine (also in whole years). I wonder how many days, including today, can this happen. In other words, how many days can my father's age be exactly twice my age? Since you do not know my age or my father's, I will at least tell you that my father's birthday is not February 29th. Make sure you explain why your answer is correct.

Deadline: September 27, 2004 before 9:00 PM.

Look for the "Problem of the Week" every Monday in the Daily Sundial (Daily Spotlight section) or in our web site www.csun.edu/math/probweek

Rules:

1. Open to all enrolled undergraduate and graduate CSUN students.
2. The first complete and correct solution will be awarded a diploma and the choice of a "Brain Benders" wood puzzles set or a five dollar prize.
3. The winner solution and the names of the authors of all correct solutions will be published in our web site (www.csun.edu/math/probweek). All authors whose solutions are complete and correct will receive certificates.
4. All solutions must be typed and sent electronically. PDF, Latex, or Word files are preferred.
5. All steps of the solution must be clearly justified.
6. Email your solution with subject "Problem of the week" to Bernardo.Abrego@csun.edu.
7. Late solutions will not be considered.
8. For any questions contact the organizers
Bernardo.Abrego@csun.edu, Silvia.Fernandez@csun.edu

If you like puzzles and challenging problems ... join the Mathematics Department Problem Solving Workshop. We meet every Friday at 2:00 PM in FOB room 108. For more information visit our web site: www.csun.edu/math/workshop.