

## Problem of the Week.

March 29-April 5

Proposed by Bill Watkins.

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Guillermo goes to the bank to cash a check. The teller inadvertently switches the cents and the dollars on the check and gives the corresponding amount to Guillermo. After buying a 35 cents newspaper, Guillermo realizes that he has twice as much money as the original value of his check. What was the amount in the check? Explain how you found your solution and prove there is only one correct answer.

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**Deadline:** April 5, 2004 before 9:00 PM.

Next problem of the week: Available in our web site on April 12 at 2:00 PM.

**[www.csun.edu/math/probweek](http://www.csun.edu/math/probweek)**

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### Rules:

1. Open to all enrolled undergraduate and graduate CSUN students.
2. The first complete and correct solution will be awarded 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](http://www.csun.edu/math/probweek)**).
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](mailto:Bernardo.Abrego@csun.edu).
7. Late solutions will not be considered.
8. For any questions contact the organizers:  
[Bernardo.Abrego@csun.edu](mailto:Bernardo.Abrego@csun.edu) or [Silvia.Fernandez@csun.edu](mailto: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](http://www.csun.edu/math/workshop).