

# Attention All High School Students!



**What?** 2015 North American Computational Linguistics Olympiad

**When?** Thursday, January 29, 2015

**Where?** Carnegie Mellon University

## Why?

Try deciphering an ancient script or deducing the logical patterns of Swahili, Hawaiian or Finite State Transducers!

Compete for a chance to go to the International Competition and compete against students from all over the world!

No participation fee!



## FOR MORE INFORMATION CONTACT

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Check out the problem on the reverse and more on the website:  
[www.nacloweb.org](http://www.nacloweb.org)

# Doing Math in Indonesian

by Raymond Weisling

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The process of forming numbers in Indonesian is not difficult to understand. With only one word translated into English, your task is to work out some simple arithmetic statements to build a vocabulary of the numbers. Where blanks are provided, fill them in with the correct answers, based on what you learn as you go along. Beware - one of the statements contains an intentional error. Find the error and make the necessary correction.

Definition: satu = 'one'

- A. Satu ditambah satu menjadi dua.
- B. Dua ditambah dua menjadi empat.
- C. Satu ditambah dua menjadi tiga.
- D. Dua dikalikan dua menjadi empat.
- E. Enam dikurangi tiga menjadi tiga.
- F. Sepuluh dikurangi enam menjadi empat.
- G. Dua dikalikan tiga menjadi lima.
- H. Sepuluh dibagi dua menjadi lima.
- I. Tiga dikalikan enam menjadi delapan belas.
- J. Delapan belas dikurangi satu menjadi tujuh belas.
- K. Tiga ditambah empat menjadi \_\_\_\_\_.
- L. Tiga dikalikan tiga menjadi sembilan.
- M. Sepuluh ditambah sembilan menjadi \_\_\_\_\_.
- N. Dua puluh dibagi dua menjadi \_\_\_\_\_.
- O. Tiga puluh dibagi lima menjadi enam.
- P. Enam belas dibagi dua puluh empat menjadi dua per tiga.
- Q. Tujuh puluh dibagi dua menjadi \_\_\_\_\_.

Now write out these numbers (and one fraction) in Indonesian:

7

12

19

23

39

3/4

Which statement (A-Q) contains an error? \_\_\_\_\_.

Rewrite the statement correctly (2 possible answers):

**(You can also try this problem online at <http://webscript.princeton.edu/~ahesterb/indonesian.php>)**