

# Cal Poly Department of Mathematics

## Puzzle of the Week

May 23-29, 2013

Created by Kent Morrison:

$$\begin{array}{r} \text{TEN} \\ \text{ONCE} \overline{) \text{COUNTER}} \\ \underline{\text{CJIRE}} \\ \text{EEIRE} \\ \underline{\text{JCOUT}} \\ \text{ONSOR} \\ \underline{\text{OSCOT}} \\ \text{OENT} \end{array}$$

In this long division “word arithmetic” problem, each letter uniquely represents a number between 0 to 9. When finished, the letters — when arranged in numerical order (0123456789) — will spell out a familiar word or phrase. What is it?

*Solutions should be submitted to Morgan Sherman:*

*Dept. of Mathematics, Cal Poly  
Email: sherman1 -AT- calpoly.edu  
Office: bldg 25 room 310*

*before next Thursday. Those with correct and complete solutions will have their names listed on the puzzle’s web site (see below) as well as in next week’s email announcement. Anybody is welcome to make a submission.*

<http://www.calpoly.edu/~sherman1/puzzleoftheweek>

Solution: SURJECTION