## ??? Problem Corner ???

edited by William J. Bruce and Roy Sinclair

University of Alberta Edmonton, Alberta

Problems suggested here are aimed at students of both the junior and senior high schools of Alberta. Solutions are solicited and a selection will be made for publication in the next issue of delta-K. Names of participants will be included. All solutions must be received (preferably in typewritten form) within 30 days of publication of the problem in delta-K.

Mail solutions	to:	Dr.	Roy	Sin	clair	or	Dr.	Bill	Bruce
					of Ma			CS	
		University of Alberta							
		Edmonton, Alberta T6G 2G1							

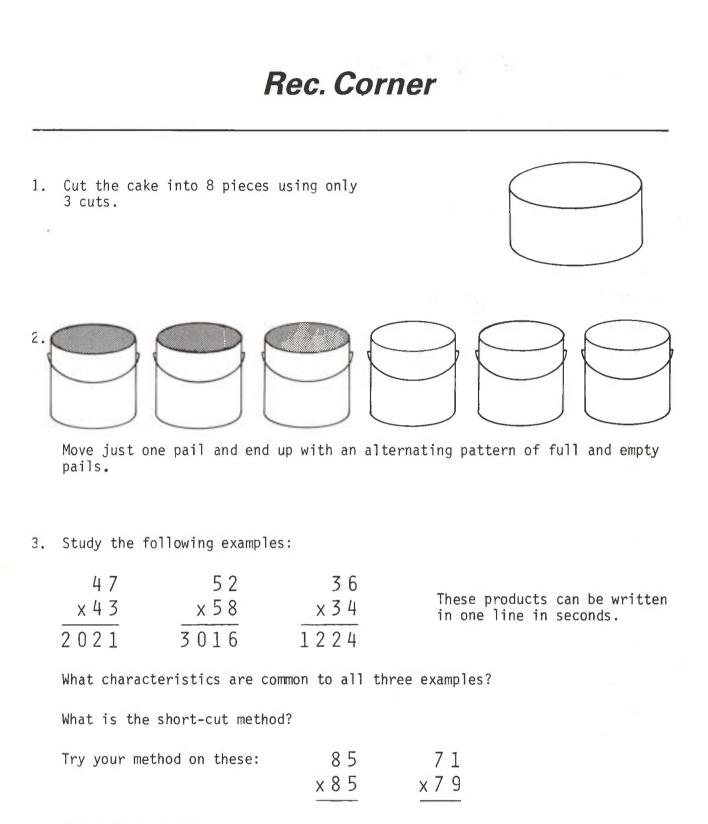
\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

Solutions to Problems 2 and 3 will be published in the next issue of delta-K.

## Problem 4:

(submitted by Dr. A. Meir, University of Alberta)

Let p be a prime number and <u>a</u> be a positive integer. Show that  $(a-p)^3 + a^3 = (a+p)^3$  cannot be true.



Why does it work?