

CUDI (CAN YOU DO IT?) PUZZLE

Dear Puzzle Lovers,

Here's a puzzle that will tap into your logical reasoning talents and your recognition of different types of numbers. Once you start, you most likely won't want to stop! And, if you like this puzzle, see the **challenge below**.

Your job: Complete the 3-by-3 grid with nine cells using the given set of numbers. At the end of each row and column is a circle. Circles contain the row and column sums. Some cells contain clues about the numbers to be placed in them. Your job is to use the clues to figure out cell numbers.

About the clues: Clues may be types of numbers (e.g., square, prime, perfect). Other clues may present arithmetic computations (e., 4^2 , $\sqrt{25} \times 9^0$). More information about different types of positive and negative numbers may be found online. Be creative!

CUDI (Can U Do It) Puzzle #1

- Use the numbers: -4, -3, -2, -1, +1, +2, +3, +4, and +5
- Put one number in each cell.
- Row and column sums are in circles.

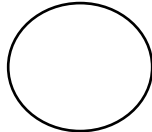
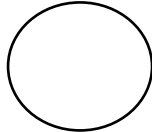
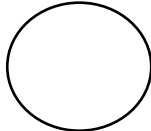
$\sqrt{25}$	Odd prime		$+5$
$2^0 \times 2^2$		Even Prime	$+2$
		$\sqrt{4} - 3$	-2
$+10$	-3	-2	

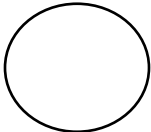
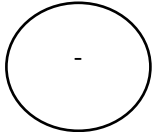
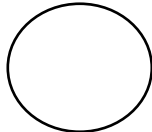
THE CUDI CHALLENGE!

ATTENTION! (Students and Teachers): Create a puzzle for publication in a CUDI online book. Use the grid below to create your clues and sums. Be sure that the solution is unique. Email it to Carole Greenes (cgreenes@asu.edu), along with your name, grade level, and email address. Encourage other students and teachers to create puzzles, as well.

Thanks, in advance,

Carole from "Carole's Corner"

Your name: _____

Check one: Student Teacher

Grade Level: _____

School: _____

Your Email: _____

Email your CUDI to: cgreenes@asu.edu