

## Discover a secret message from Nitha, Claudia and Michael:

- Pick 3 different digits such that  $A > B > C$  (for instance:  $A = 8, B = 7, C = 2$ )
- Write them into the table in the order of *large-middle-small*

A	B	C
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- Reverse the number CBA and subtract - the answer is a new 3-digit number xyz:

A	B	C
C	B	A
x	y	z

- Now reverse that number zyx and add to xyz:

	x	y	z
	z	y	x
$\alpha$	$\beta$	$\delta$	$\omega$

- Multiply this number,  $\alpha\beta\delta\omega$ , by 10.000 (Row 1) and subtract 865432 and write the number in Row 3:

$\alpha$	$\beta$	$\delta$	$\omega$	0	0	0	0	Row 1
		8	6	5	4	3	2	Row 2
								Row 3
								Row 4

- In **Row 4** write the secret message - using the conversion below between digits and letters.

C	D	G	K	L	O	U
6	2	1	8	4	0	5