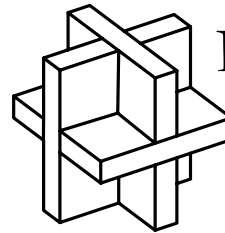


Adalogical Ænigmas

No. 59



Pavel's Puzzles

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Gentle solver,

Although I am, as you know, quite *devoted* to the study and appreciation of numbers, I have recently been obligated to observe them in a very *tedious* context: my periodic review of the household accounts. Ah, but pity me as I spent hour upon painful hour, summing up groups of seemingly nonsensical numbers. What an *agonizing* encounter with my favourite subjects!

Whilst *suffering* thusly, and yearning for more *entertaining* numerical pursuits, I was inspired to create the present ænigma.

In the grid below, fill *some* squares with digits from the given range, ensuring that no digit is ever *repeated* within any row or column of a heavily outlined 7×7 *subgrid*. Blacken all of the remaining squares, thereby separating each row and column into *groups* of adjacent digits.

The given numbers specify the *sums*, in order, of the digits in the groups in the corresponding row or column. Each question mark represents some *unspecified* sum equalling 1 or more.

Once you have completed your summing, you may move on to finding the final answer to my ænigma. Identify those squares that contain *prime* digits (viz., 2, 3, or 5). At each such square, advance its letter in the alphabet (wrapping around from Z to A as necessary) by that square's digit. Reading the resulting letters in left-to-right, top-to-bottom order will reveal a clue to your final answer.

Good luck!

Ada

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Example

Range: 1-4	?	4																	
	9	3	6	7	?														
6	3	O	Y	E	N	A													
9	1	A	Q	G	O	T													
?	5	R	S	L	A	U													
5		L	P	F	M	L													
?	5	L	K	A	L	L													

↓

?	4																		
9	3	6	7	?															
6	3	O	Y	E	N	A													
9	1	A	Q	G	O	T													
?	5	R	S	L	A	U													
5		L	P	F	M	L													
?	5	L	K	A	L	L													

Y + 2 = A | R + 2 = T
 A + 3 = D | F + 3 = I
 A + 3 = D | M + 2 = O
 G + 2 = I | K + 3 = N

Answer: ADDITION

Need assistance with Ada's ænigma? Hints and other help are available at www.pavelspuzzles.com/aenigmas/59

		5	?					?	3	?	12	7	?							1	7	?	
Range: 1-6		5	?	4	15	10	7	?	?	?	?	?	9	?	10	?	?	?	13	?			
		?	?	5	?	10	11	?	?	?	?	8	13	?	15	10	?	?	6	?	?		
10	10	10																					
?	9	?	?	?																			
			33	26																			
13	?	?	13	8																			
		12	21	8																			
10	13	?	13	14																			
		4	?	21																			
10	9	9	6																				

Send your answer to aenigma@pavelspuzzles.com by 9/30/2018: you'll earn a **10% discount** at Pavel's Puzzles and could win a **free physical puzzle!** Details at www.pavelspuzzles.com/aenigmas/59.
