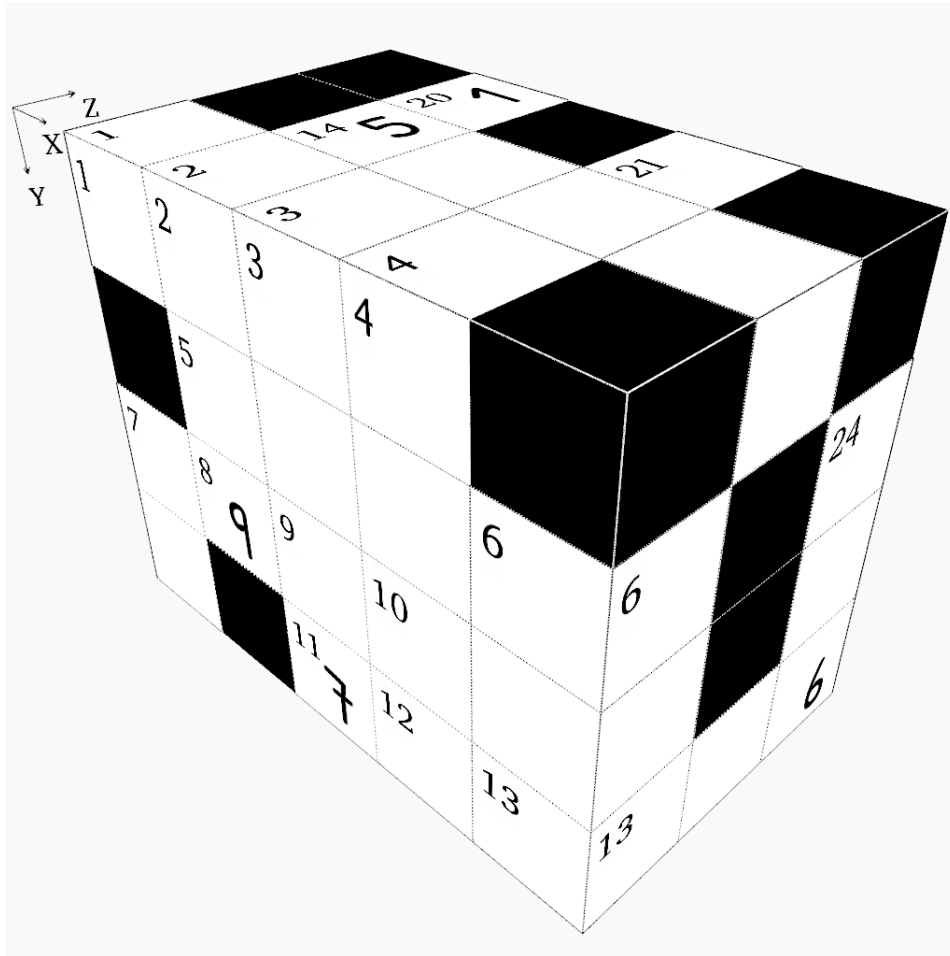


Difficulty: ☆☆☆☆☆

Box - Beginner Puzzle #9



This puzzle is like a crossword, but with numbers. Each digit occupies a 3D block and can be a part of a "word" in the X,Y, and Z directions.

Rules:

1. "Words" may not start with a zero.
2. "Words" in the X direction read from left to right.
3. "Words" in the Y direction read from top to bottom.
4. "Words" in the Z direction read from front to back.
5. There is one unique solution which satisfies all the clues given below.
6. Some "words" may not have clues. They will be determined by the "words" which intersect them.

If we take the box pictured above and divide it into individual X-Y layers, we will get these planes:

1	2	3	4			14	5					20	1		21		
	5			6	15							22		23	0		24
7	9	9	10		16		17	18				25					
		11	7	12	13		19		8			26			27		6

X Direction

- 1 Y7 times Y17
- 5 Six times a prime number
- 7 Twice a prime number
- 11 Z5 reversed
- 14 Thirteen times a prime number
- 15 Four times Y7
- 16 Last two digits are the same as last two digits of Z9
- 19 A prime number
- 25 Y15 plus Z19
- 26 Y15 minus Y17
- 27 Z11 minus Y23

Y Direction

- 2 A prime number
- 3 Z7 times Z4
- 4 Mean of X14 and Z3
- 6 Z9 minus Y7
- 7 X25 reversed
- 14 Its digits total X26
- 15 X25 minus X26
- 17 X1 divided by Z7
- 18 Y21 minus Z19
- 20 Thirty-two times X27
- 21 X26 plus Y18
- 23 Sum of digits in X22
- 24 Twice the result of Y6 minus Y2

Z Direction

- 2 A prime number
- 3 Same as Y15
- 4 Y3 divided by Y7
- 5 Z8 minus Y6
- 7 X25 reversed
- 8 Mean of X19 and Z10
- 9 Z7 plus Y6
- 10 Z19 plus Y7
- 11 X11 minus Z12
- 12 Five times a prime number
- 13 Z5 plus half of Y18
- 15 Y18 plus X27
- 19 Y15 minus Y17

Solution:

1	2	7	3			5	9	9	3		1		3	
	2	4	0	6	7	6				4	7	2	0	8
1	9	6	3	4	9	0	6	1			9	1		2
9		7	6	2		1	7	8	7	1	2		5	6