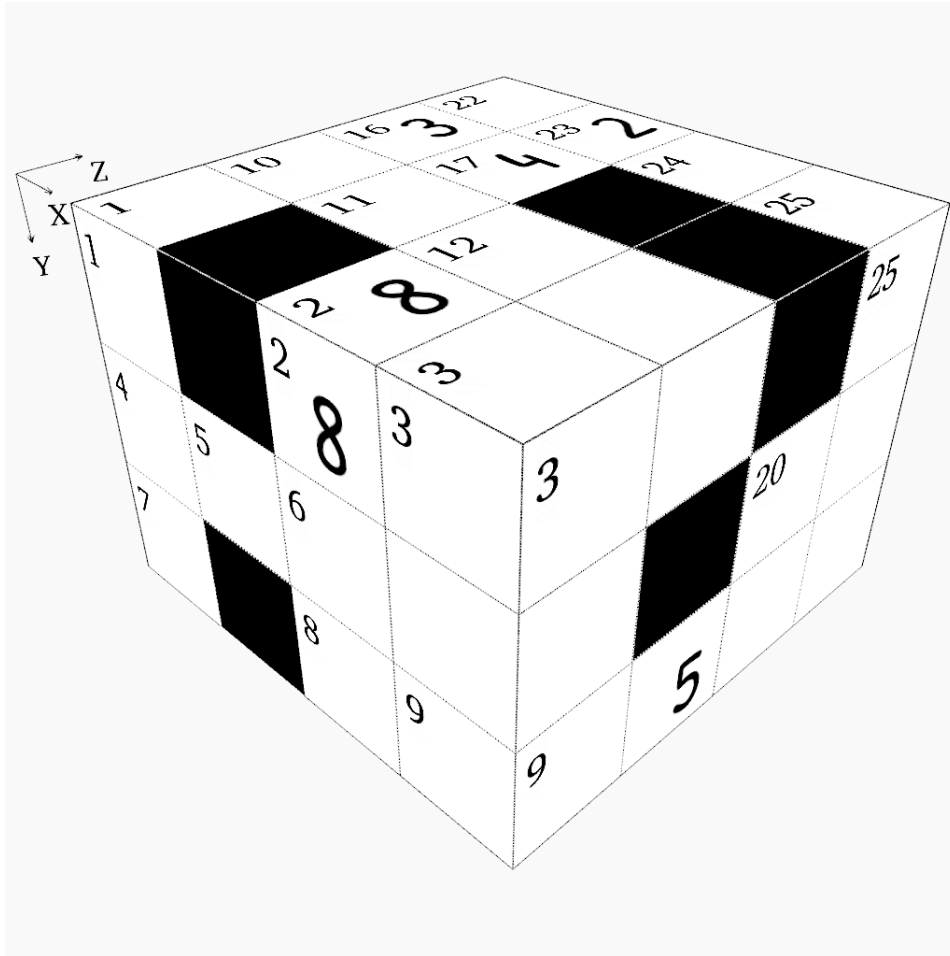


Difficulty: ☆☆☆☆☆

Box - Beginner Puzzle #5



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

X Direction

- 2** Consecutive digits in descending order
- 4** Mean of Z9 and Y11
- 8** Y25 divided by sixty
- 10** Eight times a prime number
- 13** Twelve times a prime number
- 14** Twenty-five times a prime number
- 16** Consecutive digits in ascending order
- 18** All digits are the same
- 21** Rearranged digits of Y17
- 22** X10 minus Y3
- 26** Thirty times Z20
- 27** Sixty times a prime number

Y Direction

- 1** Eight times a prime number
- 2** Z8 minus half of Y12
- 3** Sixty-five times Y20
- 10** X21 plus Y20
- 11** Forty-eight times a prime number
- 12** Twice a prime number
- 17** X18 plus half of Y24
- 19** Z2 minus Z3
- 20** A prime number
- 23** Half of Y1, then subtract X16
- 24** Forty-three times Y19
- 25** A square

Z Direction

- 1** Forty-eight times a prime number
- 2** Eight times Y20
- 3** Two-thirds of X18
- 4** Z6 divided by forty-six
- 5** Mean of Z8 and X10
- 6** Seventy times a prime number
- 7** Twice a prime number
- 8** X26 plus Z11
- 9** Last two digits are the same as last two digits of Z6
- 11** X27 divided by Z20
- 15** Sixteen times Y19
- 20** Y23 minus Z15

Solution:

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