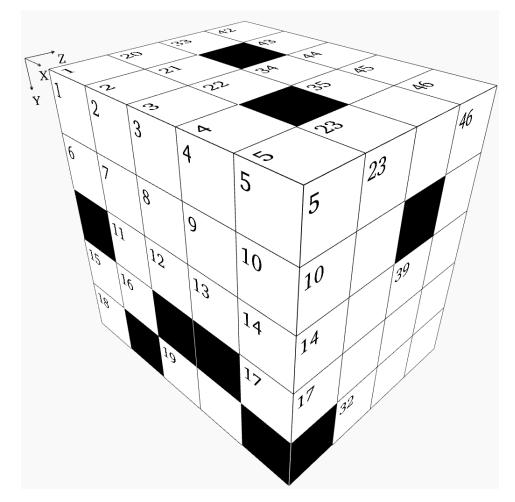


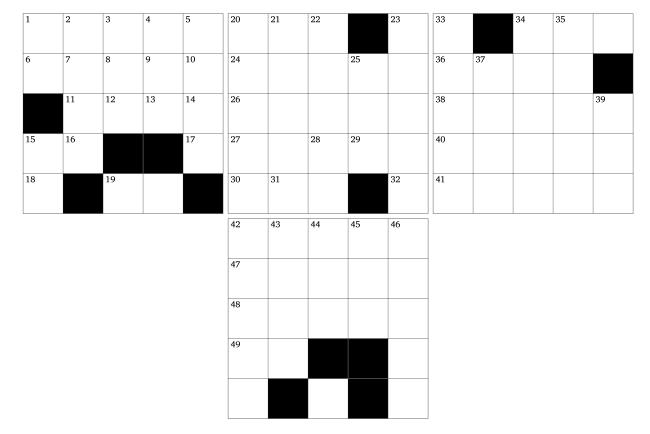
Box - Hard Puzzle #6



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.



X Direction

- Seven times a prime number
- Three times a prime number
- A prime number
- Mean of Z10 and Z35
- Twice a prime number
- Z10 plus X30
- X47 minus Y4
- Twice a prime number
- Thirteen times a prime number
- Twice a prime number
- Y44 reversed
- Mean of Z13 and Z26
- Three thousand eight hundred fifty less than X1
- Sixteen thousand four hundred eighty-three less than X38
- 41 Five times a prime number
- 42 Twice a prime number
- 47 A prime number
- Nine thousand eight hundred
- thirty-three less than Y21
- Y3 divided by three

Y Direction

- X15 plus Z35
- **2** Thirty-one times a prime number
- Z5 minus Z1
- Y5 minus Z5
- Thirty-five times Y3
- X34 minus Z31
- Five thousand four hundred ninety-eight more than Y22
- Y44 times X49
- First two digits are the same as Z35
- Fifty-five times a prime number
- 25 Y39 minus X15
- Last two digits are the same as last two digits of Z1
- X6 plus Y2
- A prime number
- Six times a prime number
- Five times a prime number
- Twice the result of Y22 plus Z18
- Five times a prime number
- 44 X34 reversed
- Twelve times Y15
- Four times a prime number

Z Direction

- A prime number
- A square
- Eight times a prime number
- Twice a prime number
- Fourteen times a prime number
- A prime number
- 8 First two digits are the same as first two digits of X38
- 9 Mean of Y45 and Z13
- 10 X34 minus Z35
- Three times a prime number
- Rearranged digits of Z16
- Twice a prime number
- 14 Y37 minus X34
- 15 A prime number
- 16 Mean of Z7 and Z9
- Z15 minus Y45
- One thousand seven hundred three less than Y5
- Twice the result of X40 minus Y23
- A square
- Mean of X15 and X49
- Y43 minus Y5
- Mean of Y1 and Z2 **32** Y20 divided by X19
- 120 aivided by XI
- Y4 minus Y3

Solution:

٩	2	2	3	٩	3	5	2		6	7		1	2	6
1	5	8	1	٩	4	8	8	٩	8	1	F	8	5	
	7	5	3	7	4	9	9	0	6	8	8	3	8	٩
6	3			5	7	9	7	2	٩	7	1	9	0	6
8		6	2		2	5	4		5	7	8	2	1	5
					7	9	6	8	2					
					4	٩	2	1	1					
					4	9	1	6	2					
					9	5			3					
					2		2		6					