



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

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

**Clues:**

**X Direction**

- 1 Y19 minus X26
- 3 Is a prime number
- 6 Is a prime number
- 8 Is a prime number
- 11 Is a prime number
- 13 X8 plus Y17
- 14 X25 minus X27
- 15 First two digits are the same as first two digits of X21
- 18 First two digits are the same as first two digits of Y16
- 20 Two-thirds of Y17
- 21 Thirty-one times X20
- 22 Eleven times a prime number
- 25 Thirty-four times a prime number
- 26 Sixty-four times X6
- 27 Last two digits are the same as last two digits of X21

**Y Direction**

- 1 First two digits are the same as Z16
- 2 Last two digits are the same as last two digits of Z12
- 11 First and second digits are the same
- 12 Forty times X11
- 13 First two digits are the same as first two digits of Y12
- 16 Fourteen times a prime number
- 17 Z16 minus Z2
- 19 Last two digits are the same as last two digits of Z6
- 22 First two digits are the same as first two digits of X3
- 23 Eighteen times a prime number
- 24 Last two digits are the same as X20

**Z Direction**

- 2 Is a square
- 3 Twenty-three times a prime number
- 4 Six times a prime number
- 5 Forty-six times Y13
- 6 Seventy-four times X20
- 7 Is a prime number
- 8 Is a prime number
- 9 Thirty-two times a prime number
- 10 Last two digits are the same as X20
- 12 Is a prime number
- 16 Is a prime number

**Solution is on next page**

Solution:

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