

# Chapter 9

## “Order” of Operations

North S° T' U.V° East W° X ' Y.3”

1. S equals left parenthesis two cubed minus left parenthesis nine times left parenthesis two minus ten right parenthesis right parenthesis right parenthesis minus fifty-one.
2. T equals left parenthesis three cubed minus left parenthesis eleven times left parenthesis three minus nine right parenthesis right parenthesis right parenthesis minus fifty-seven
3. U equals left parenthesis left parenthesis eight minus left parenthesis five cubed minus five right parenthesis right parenthesis times seven right parenthesis plus eight hundred and fifteen.
4. V equals left parenthesis left parenthesis three minus left parenthesis two cubed minus two right parenthesis right parenthesis times ten right parenthesis plus four hundred and twenty three.
5. W equals left parenthesis left parenthesis ten minus left parenthesis two cubed minus two right parenthesis right parenthesis times four right parenthesis plus thirty-six.
6. X equals left parenthesis left parenthesis left parenthesis four cubed plus six right parenthesis times four right parenthesis minus five right parenthesis minus two hundred and forty-three.
7. Y equals left parenthesis left parenthesis left parenthesis eight-four divided by seven right parenthesis squared minus nine right parenthesis times three right parenthesis minus three-hundred and fifty one.
8. Z equals left parenthesis left parenthesis eight minus left parenthesis three cubed minus three right parenthesis right parenthesis times ten right parenthesis plus three-hundred and eleven.

## Part 2

Welcome to this attraction built during the Qian Dynasty.  
You're surrounded by windows in the style of Orsi.  
Made from a mixture of stained-glass and wood,  
Study inch by inch you should,  
Your answer inside and outside will be.

Like standing inside a colorful jewel,  
There's so much to see I'm certain that you'll  
Explore each wall of this intricate temple  
Before traveling outside in search of a supplemental  
Courtyard complete with a reflecting pool.

Don't stop at a food truck and fill up on starches,  
Before you begin your ninth and tenth marches,  
In the courtyard please linger  
And count on your fingers  
the number of pool-facing ground-level arches.

Now head back inside to the room with the columns  
Away from the pond of reflection and solemn.  
Acknowledge the builders  
And count up the pillars  
To prepare for one final problem.

Now take your two numbers and cube em' real good  
Not quite in the way Erno Rubik would.  
Combine the former and the latter  
And since we're on the matter,  
Add the number of squares his creation has, or should.