Chapter 1

Rubik's Cube Math

First we name the faces of the cube, these are arbitrary but important. We choose a front face F, and an up face U and this uniquely determines the rest of the faces: back B, down D, left L, and right R.

F = whiteU = red

Which on my cube gives:

B = yellow

D = orange

L =blue

 $R = {\rm green}$