

## 7-STEP Intermediate Solution by Dan Knights

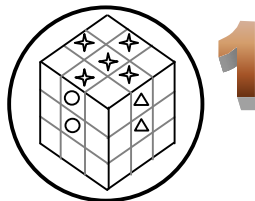
This is a "cheat sheet" for solving Rubik's Cube. It does not attempt to explain any of the maneuvers. If you want to actually understand how each step works, you should try my "Revolving Door" solution, at [thepublicvoid.com](http://thepublicvoid.com).

To begin, you need to solve the first layer on your own (Steps 1 and 2). Keep in mind that the center squares of each face are attached to the center of the cube, so that they can never change position relative to each other (e.g "RED" is always opposite "ORANGE"). If you need help on the first layer, ask someone who knows how.

Note: You may have to use the maneuver for each step several times before you can move on to the next step. When in doubt, or if your cube does not match the picture exactly, just do the maneuver once and check again.

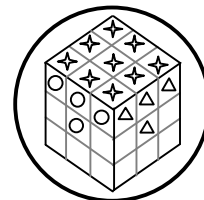
For more information, visit <http://www.thepublicvoid.com>.

### 1. Solve the first side cross



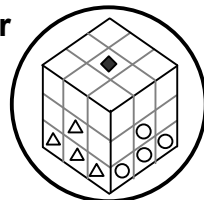
1

### 2. Solve the first side corners



2

### 2.5 Flip the cube over



### 3. Solve the middle layer edges



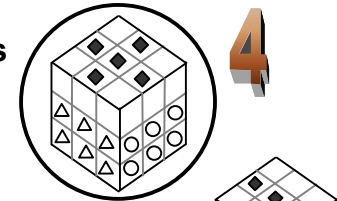
or



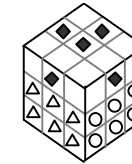
$U_i F_i U F U R U_i R_i$

$U R U_i R_i U_i F_i U F$

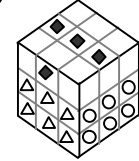
### 4. Flip the top cross



4



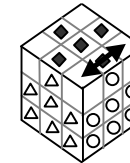
or



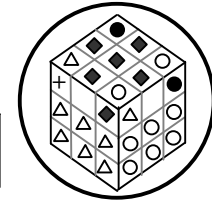
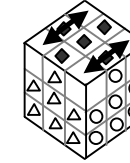
$F U R U_i R_i F_i$

$F R U R_i U_i F_i$

### 5. Position the top corners



or

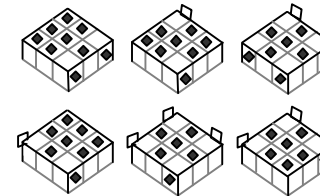


5

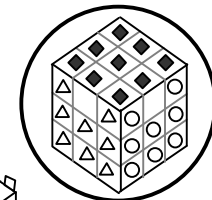
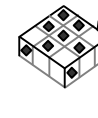
$L U_i R_i U L_i U_i R U_2$

$R_i U_2 R L U_i R_i U L_i U_2 R^*$

### 6. Flip the top corners



or



6

$R_i U_2 R U R_i U R$

$R_i U_i R U_i R_i U_2 R^*$

(repeat when necessary)

### 7. Position the top cross



7

$F_2 U_i L R_i F_2$   
 $L_i R U_i F_2$

$F_2 U L R_i F_2$   
 $L_i R U F_2^*$

$M_2 U M_2 U_2$   
 $M_2 U M_2^*$

$U M_i U M_2$   
 $U M_2 U M_i$   
 $U_2 M_2^*$

\* These maneuvers are optional; it is possible to solve the cube without them.