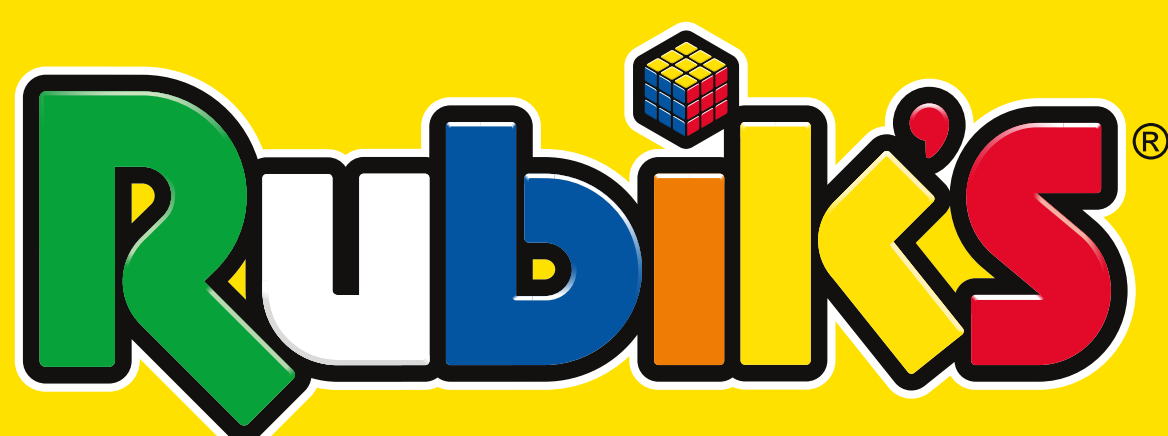
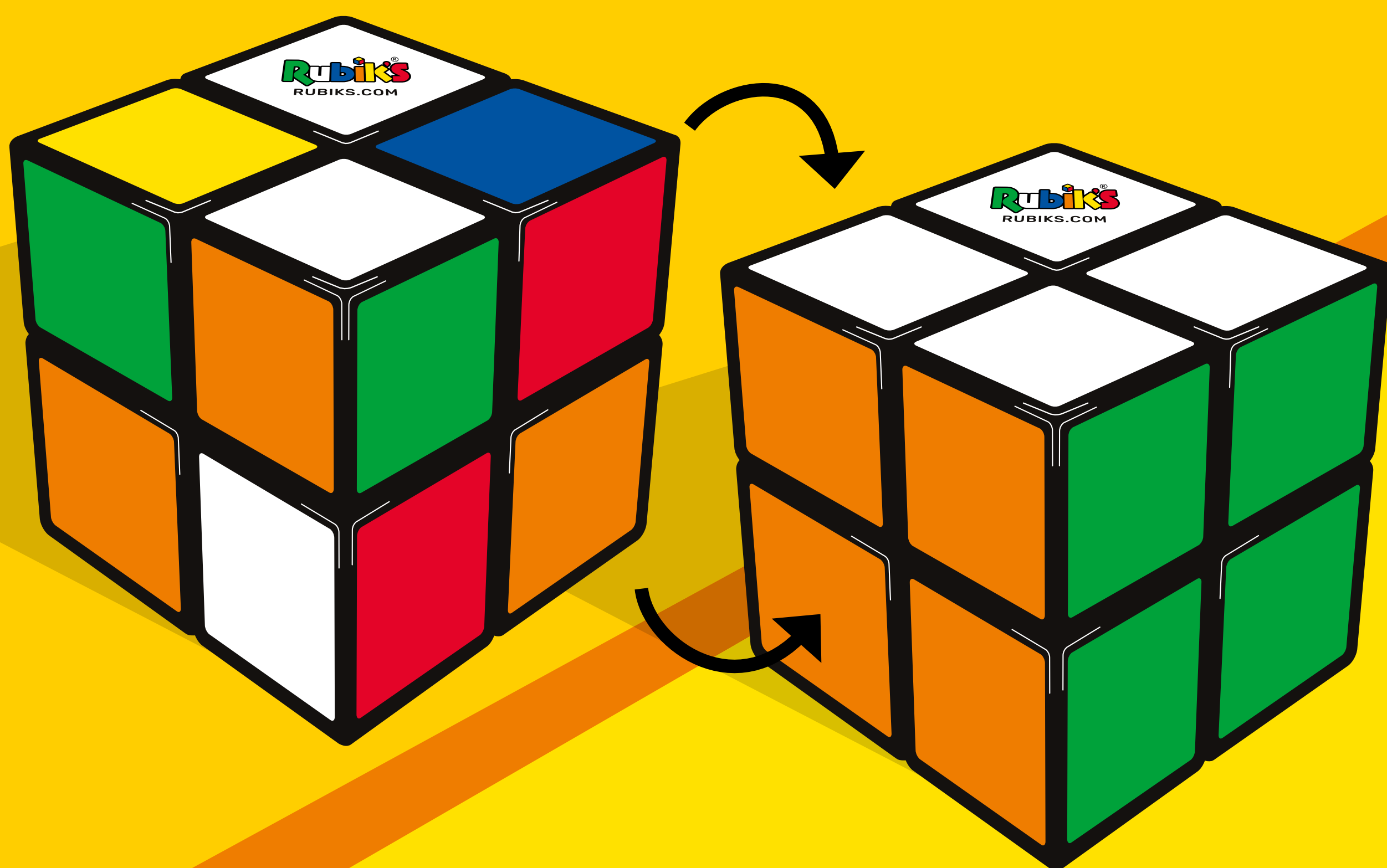




# YOU CAN DO THE RUBIK'S MINI

## Solution Guide

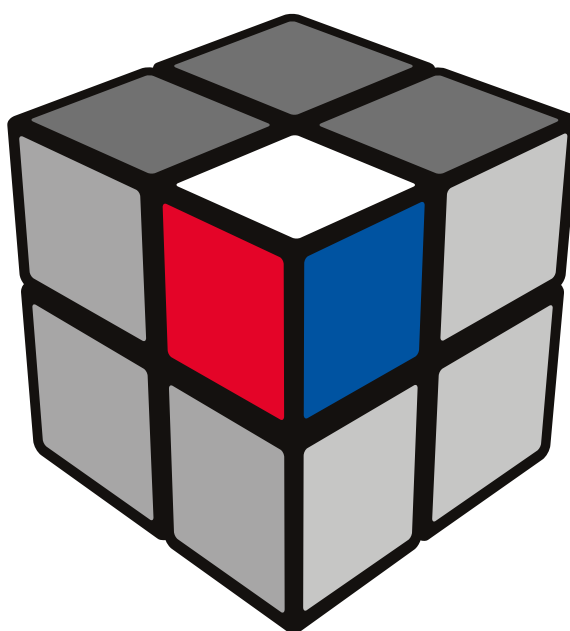


## HOW TO USE THIS GUIDE

- You will be learning the layered method to solve the Rubik's® Mini. This layered method is also used to solve the Rubik's Cube (original 3x3) and the Rubik's Master (4x4).
- Throughout the guide you will see this symbol to indicate helpful tips. Take the time to read the tips closely.



- The gray areas on the Rubik's Mini mean that at the stage you are working on, the color of the gray pieces doesn't matter.



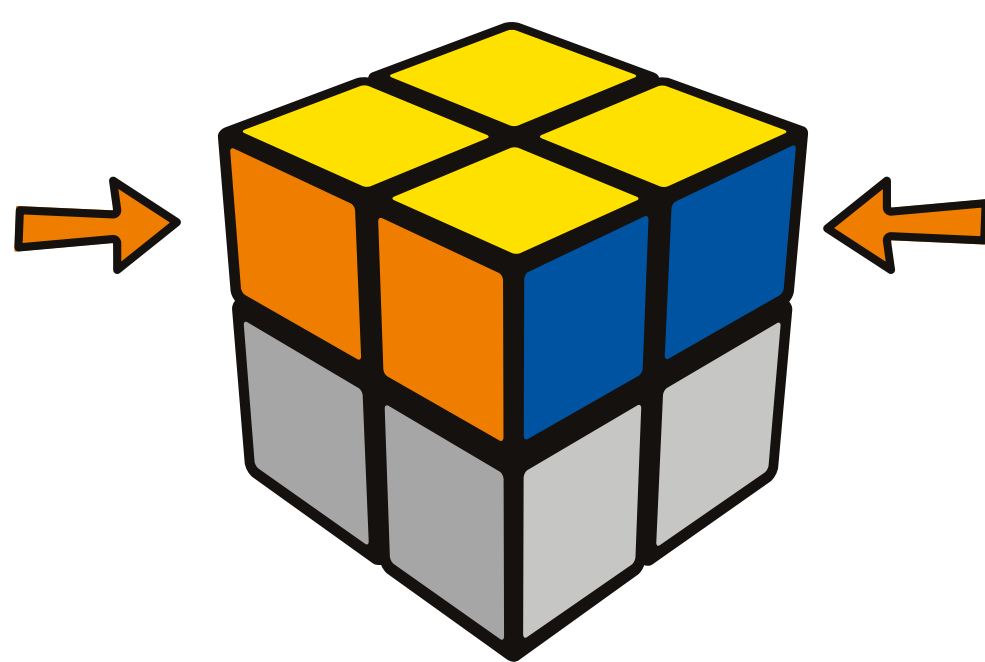
## TIPS FOR SUCCESS

- Learning to solve the Rubik's Mini is easier than solving the Rubik's Cube (original 3x3), but still a challenge.
- The Rubik's Mini is solved using sequences of moves known as algorithms.
- Your Rubik's Mini will be solved using a layered method, so you may want to try re-scrambling your Rubik's Mini and practicing multiple times before moving on to the next layer. Soon these steps will become muscle memory.
- Keep the Rubik's Mini on a table to maintain the same front face for an entire algorithm (sequence of moves).
- Learn songs and chants to help you memorize the algorithms.
- Place a small sticky note on the piece of the Rubik's Mini you are moving so you can follow its path. Consider taking a video while you do this and then watch the video.
- Use this guide along with the videos on Rubiks.com showing each solving stage.
- Mindset is critical. If you persevere, you CAN solve the Rubik's Mini.

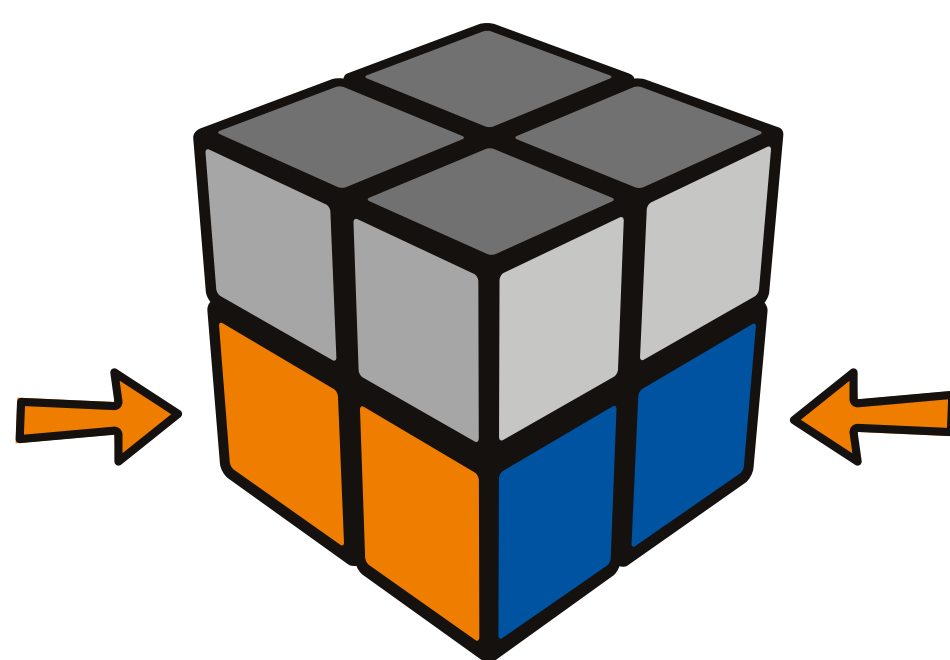
# GET TO KNOW YOUR RUBIK'S MINI

## LAYERS

There are two horizontal LAYERS  
in a Rubik's Mini.



**TOP  
LAYER**



**BOTTOM  
LAYER**

# GET TO KNOW YOUR RUBIK'S MINI

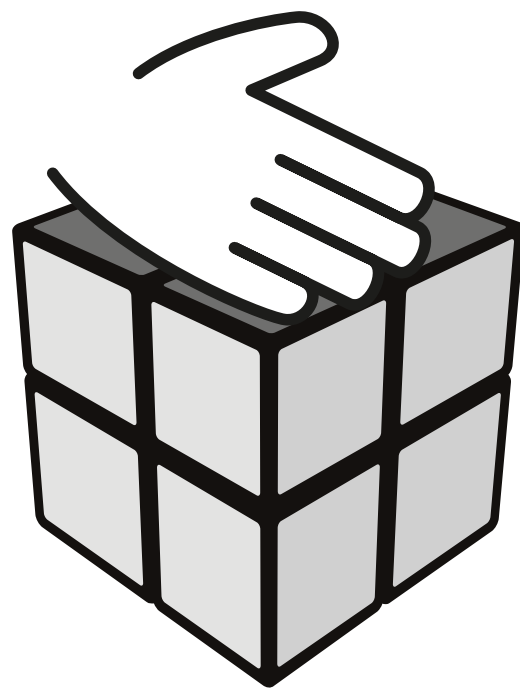
## FACES

Each flat surface is a face.

There are 6 faces on a Rubik's Mini.

The UP face is on the Top Layer.

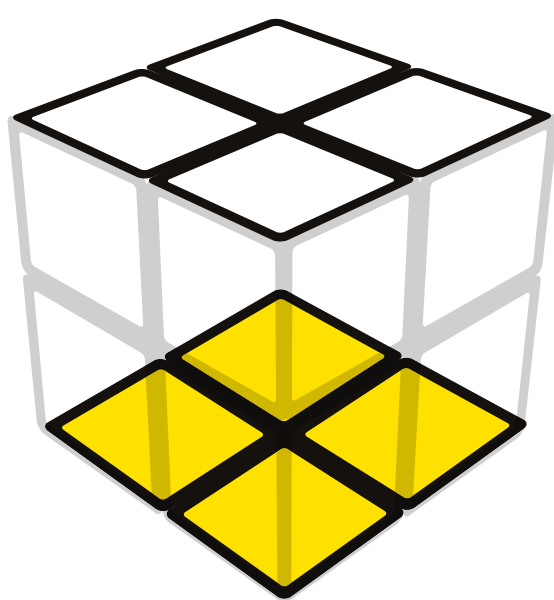
The DOWN face is on the Bottom Layer.



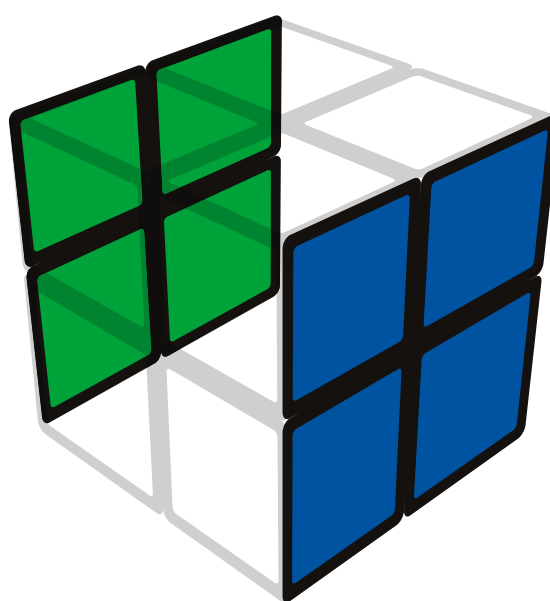
You can place your palm flat on a **FACE**.

When correctly solved:

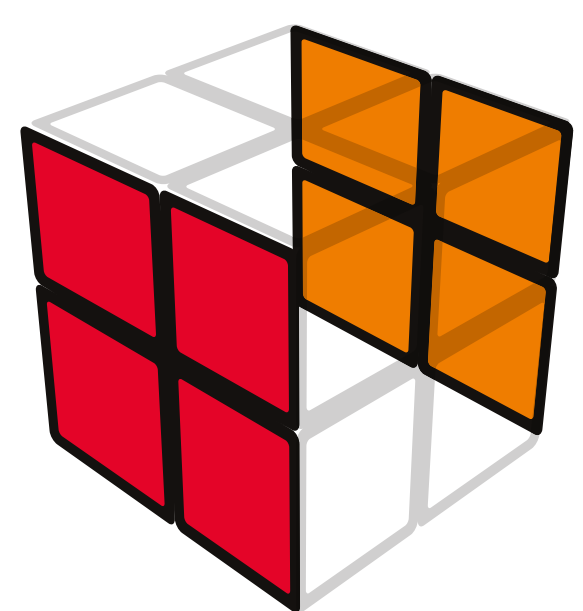
**WHITE**  
is opposite  
**YELLOW**



**BLUE**  
is opposite  
**GREEN**



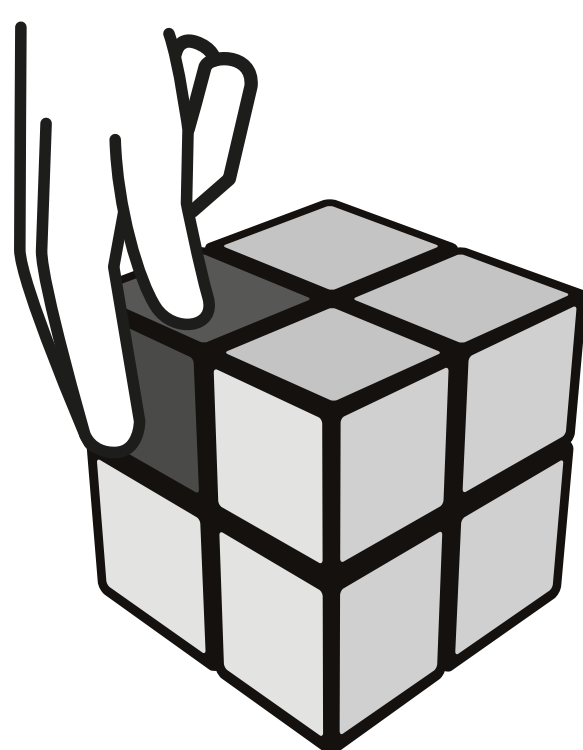
**ORANGE**  
is opposite  
**RED**



## CORNERS

The Rubik's Mini is made up of 8 corner pieces.

Corner pieces have three colored tiles.



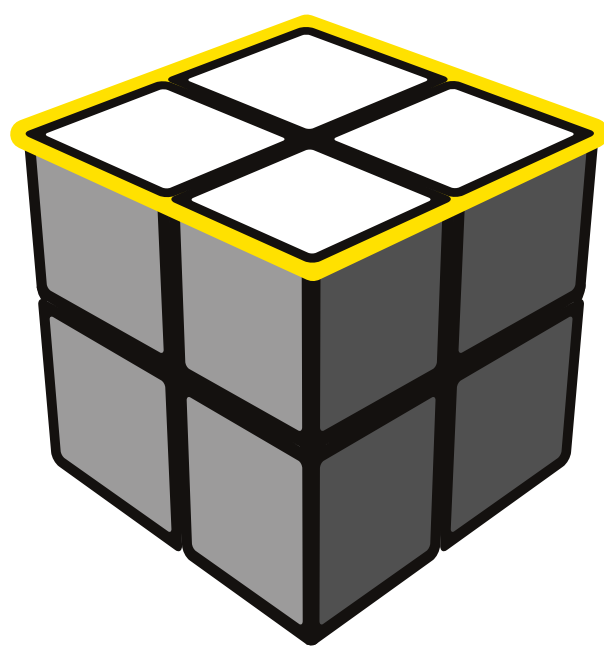
You use three fingers to touch all sides of a **CORNER** piece.

# GET TO KNOW YOUR RUBIK'S MINI

## FACE KEY

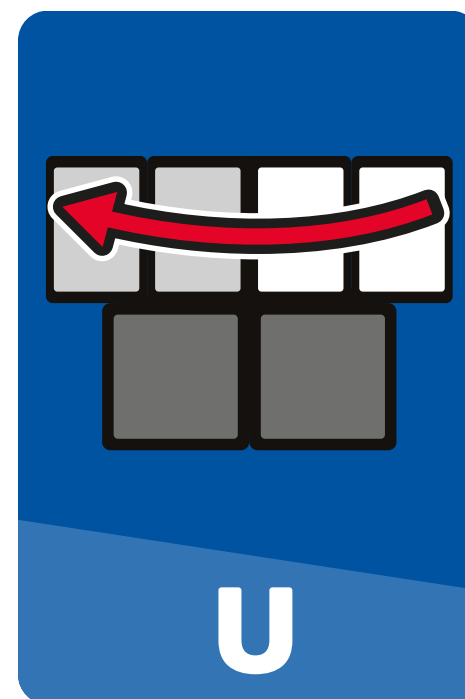
Each face is represented by a letter.

**U** =  
UP  
FACE



## ALGORITHM KEY

Moves used in this guide.



**D** =  
DOWN  
FACE



## MOTIONS

Think of the movements of these objects when you turn the faces.

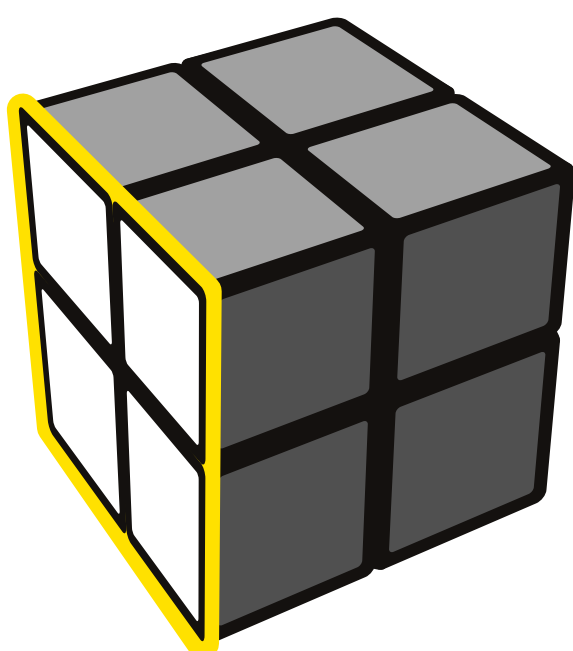




## FACE KEY

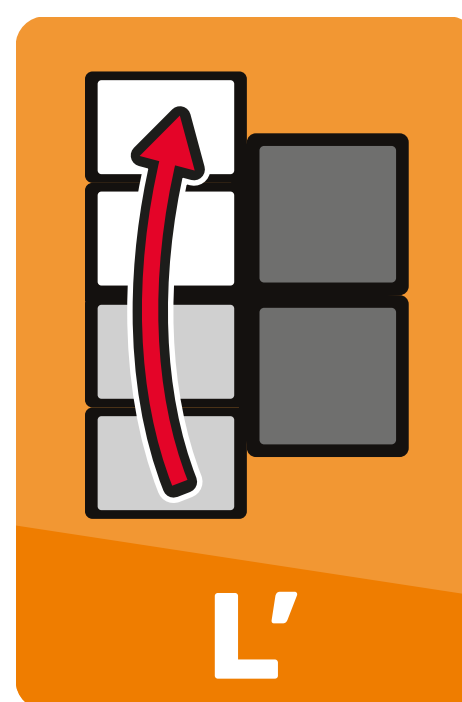
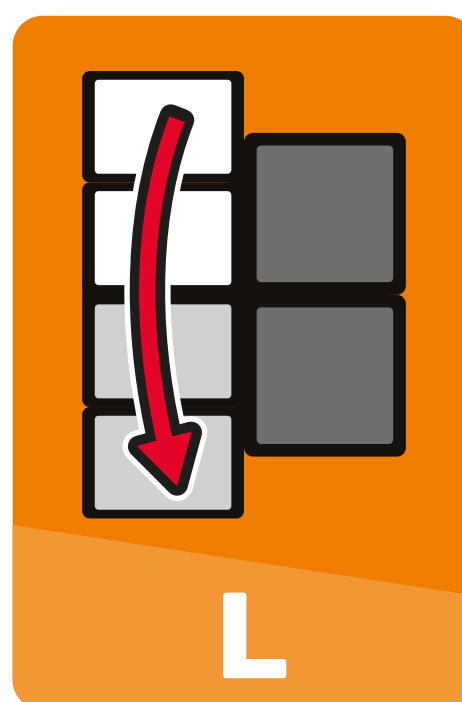
Each face is represented by a letter.

**L** =  
LEFT  
FACE

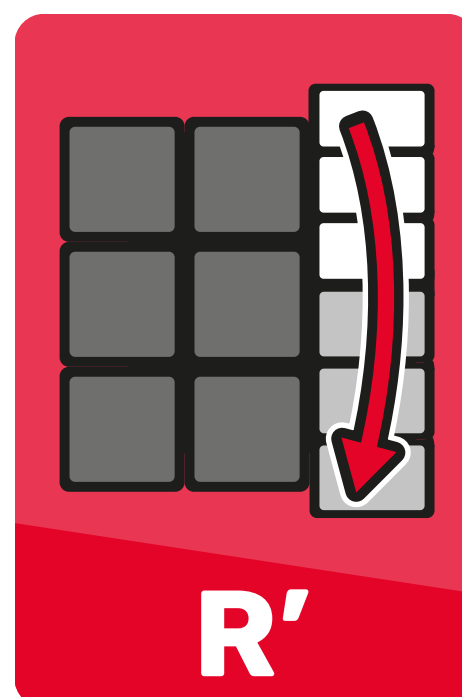
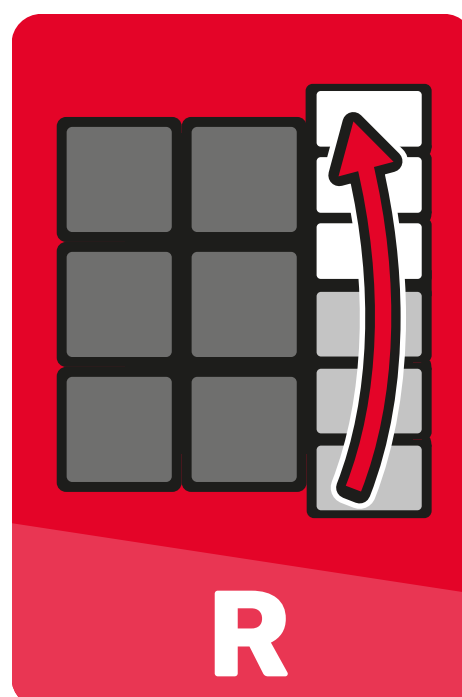
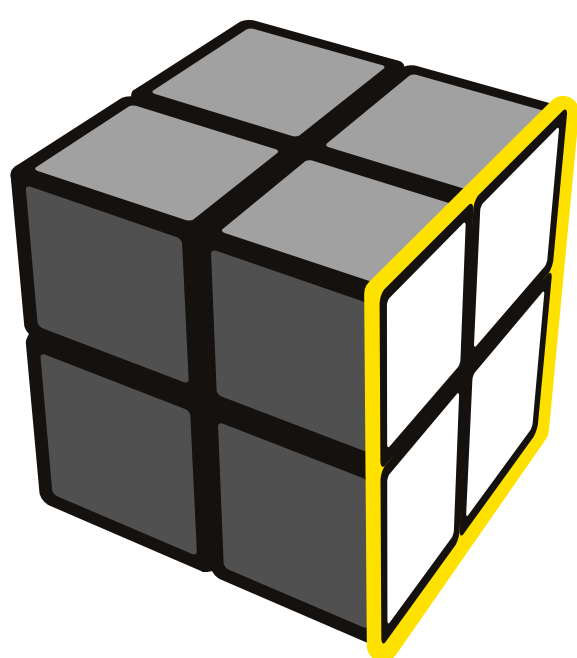


## ALGORITHM KEY

Moves used in this guide.

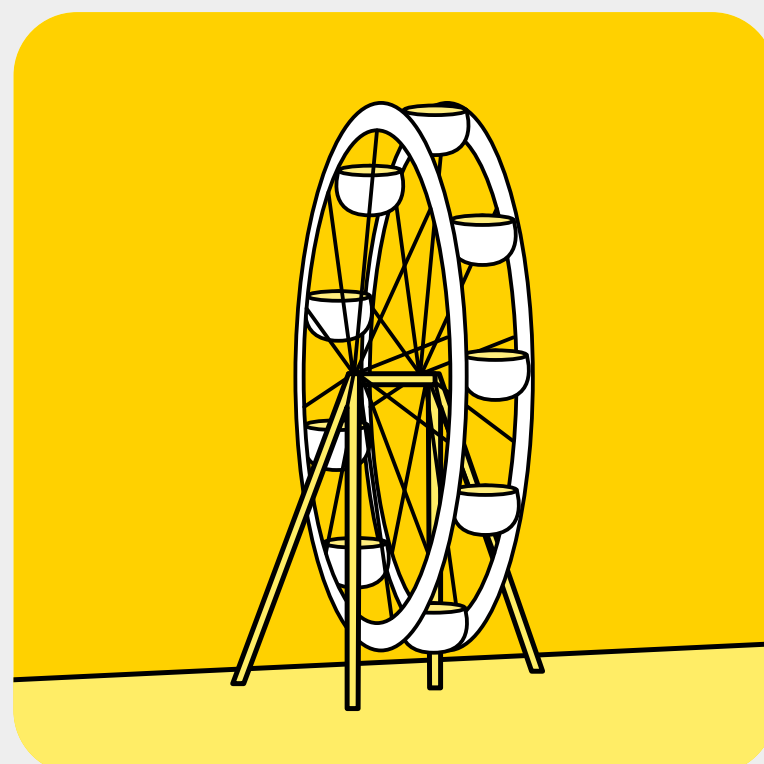


**R** =  
RIGHT  
FACE



## MOTIONS

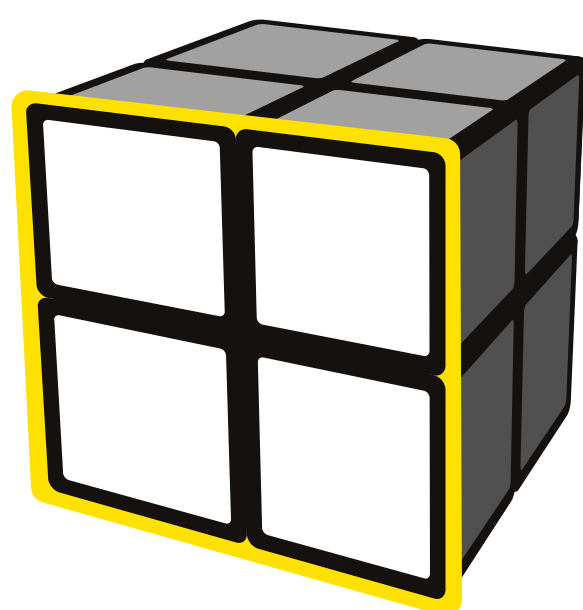
Think of the movements of these objects when you turn the faces.



## FACE KEY

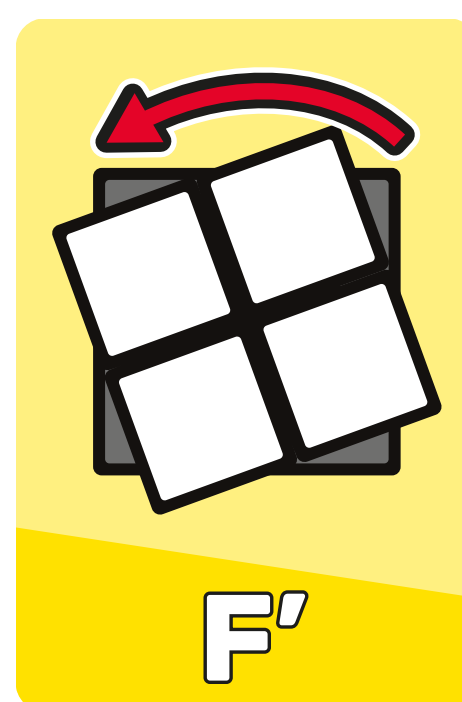
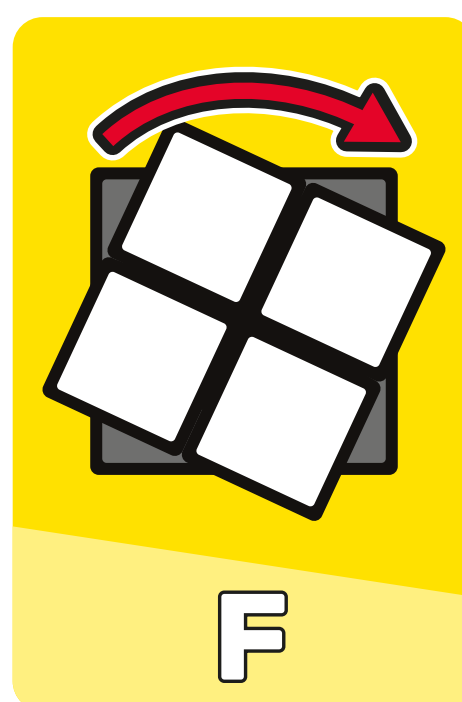
Each face is represented by a letter.

**F =  
FRONT  
FACE**

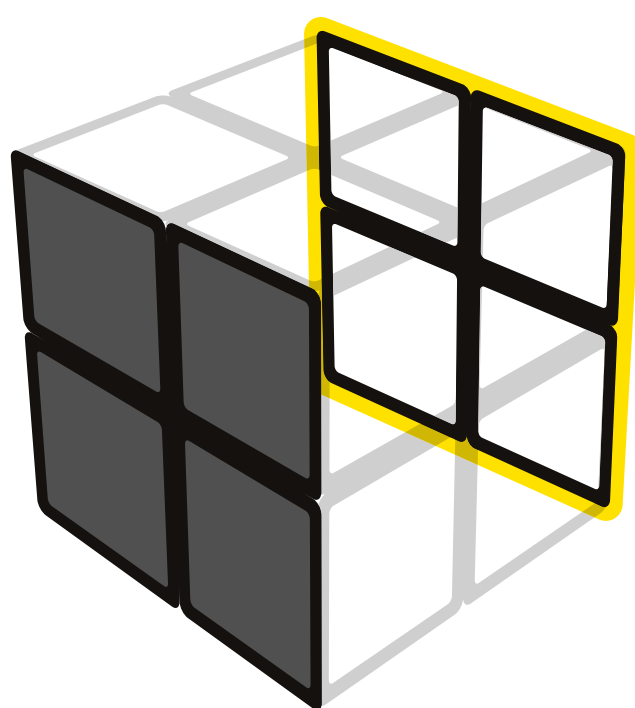


## ALGORITHM KEY

Moves used in this guide.



**B =  
BACK  
FACE**



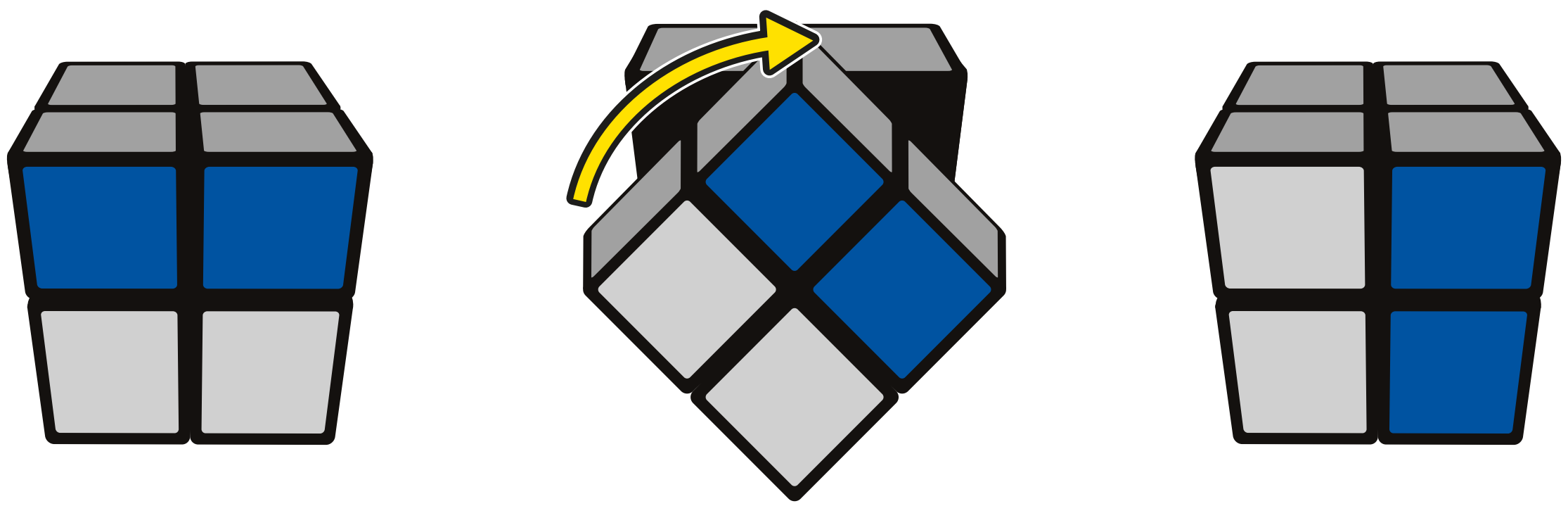
## MOTIONS

Think of the movements of these objects when you turn the faces.

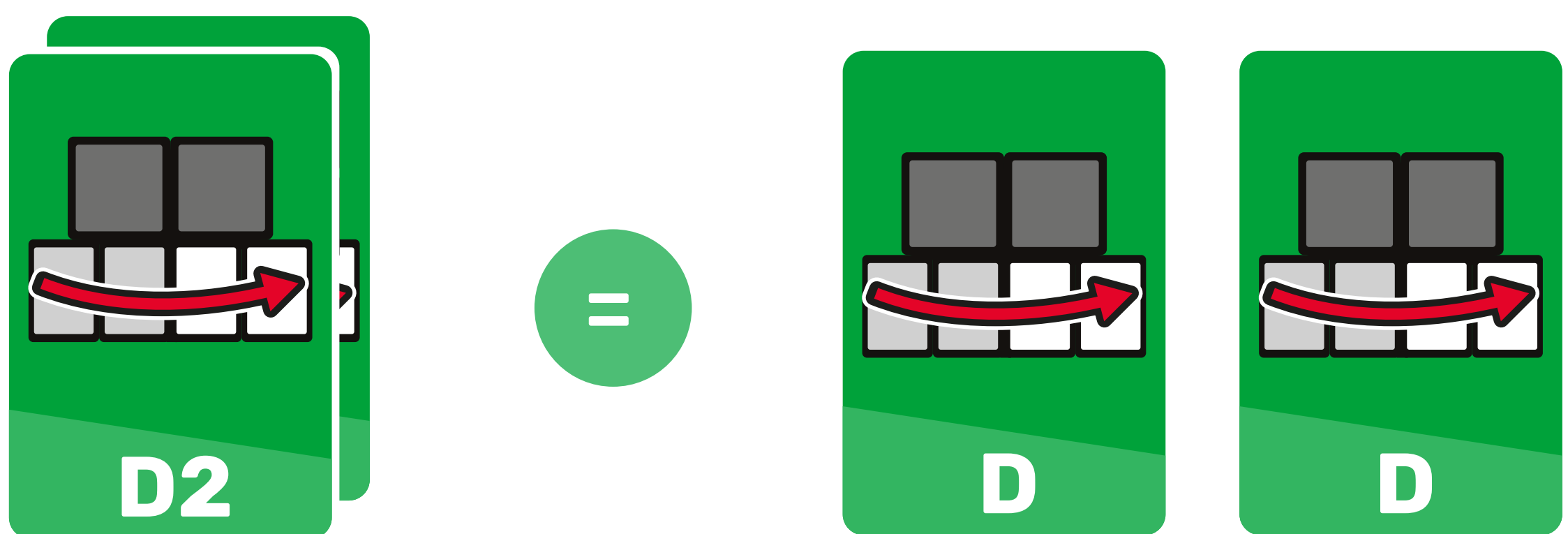




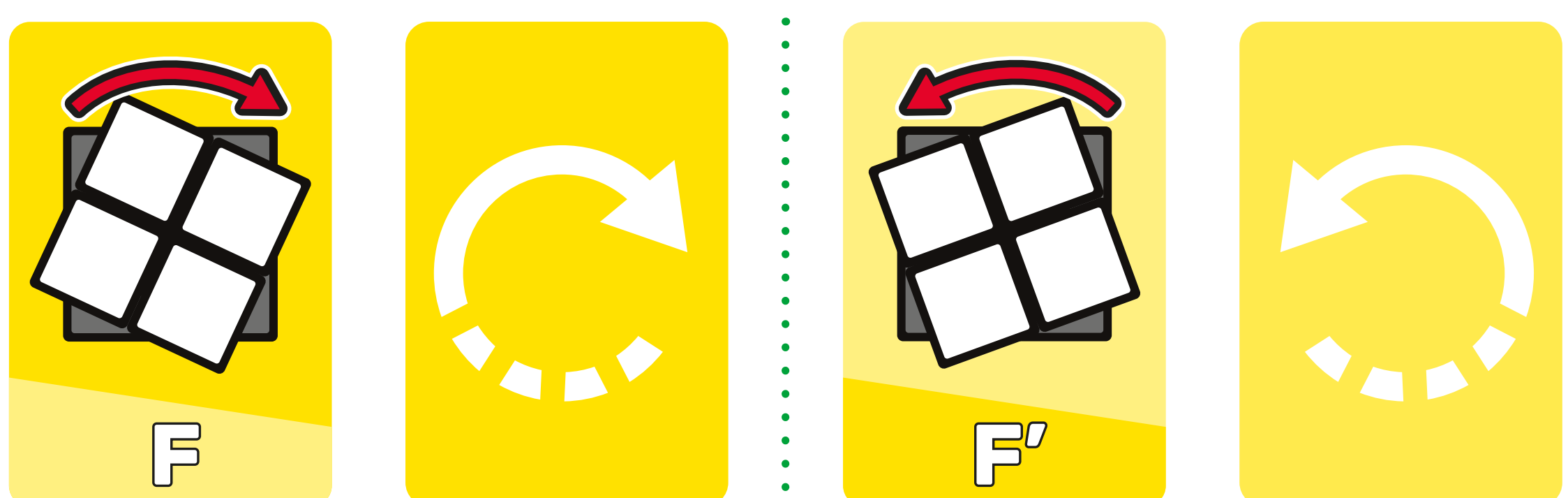
- Each move is a  $\frac{1}{4}$  **TURN**.



- An **ALGORITHM** is a sequence of moves that you need to do in a specific order.
- Think of the algorithms as moving a piece out of the way, setting up its correct position, and then moving the piece into that place.
- When following the algorithms in this guide, it is important to maintain the **FRONT** face of your Rubik's Mini so it stays the **FRONT** through all of the turns.
- If there is a **2** next to the algorithm letter, turn the face twice.



- A turn is clockwise when looking at that face directly. A letter with an apostrophe (') after it means to make an inverse or counterclockwise turn of the face.





# **RUBIK'S MINI SOLUTION GUIDE**

This solution guide is  
divided into two stages  
as seen below.

**SOLVE THE  
TOP LAYER**

**SOLVE THE  
SECOND LAYER**

Now... let's get  
solving!

## SOLVE THE TOP LAYER

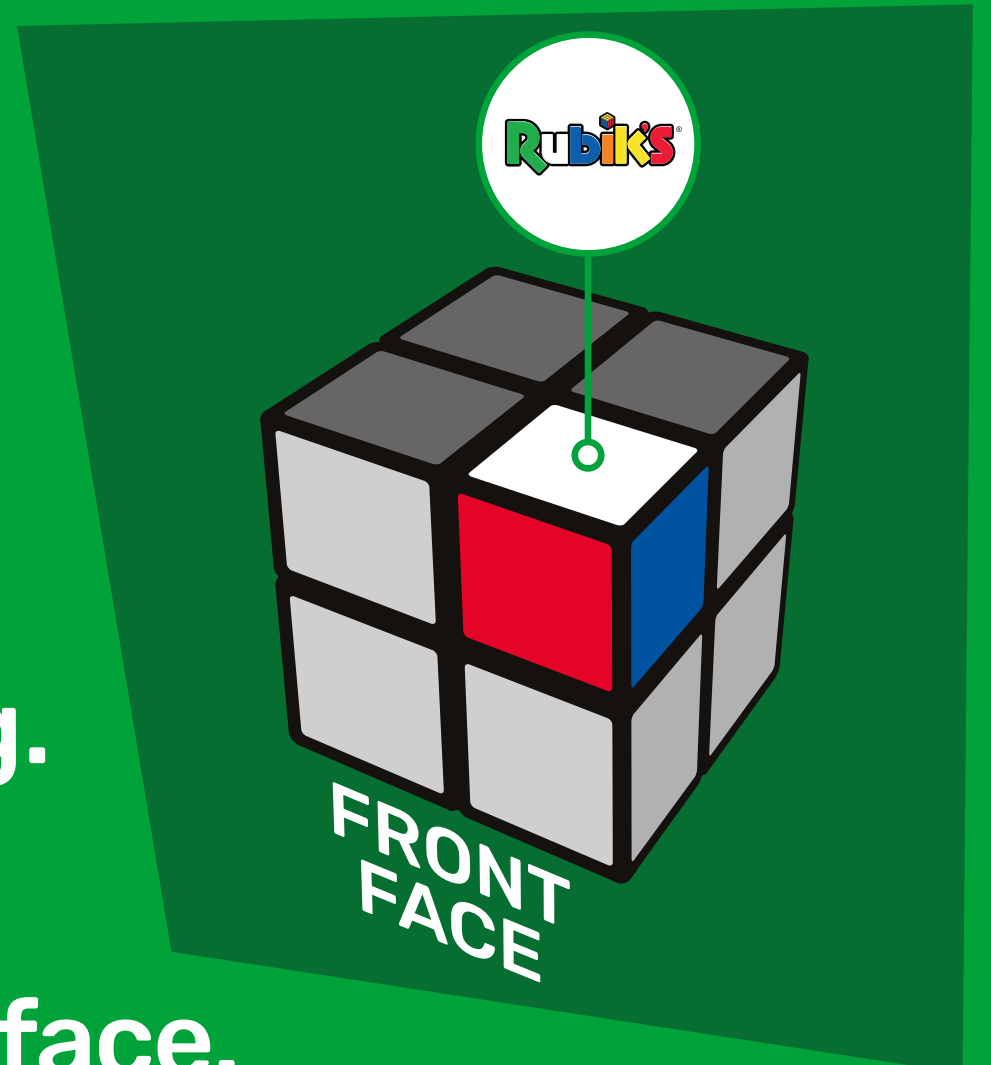
# 1ST AND 2ND CORNERS

### HOLDING YOUR RUBIK'S MINI

Begin by holding your Rubik's Mini so the WHITE tile with the Rubik's logo is facing the ceiling.

This is the **top** layer.

- The WHITE tile will be on the UP face.
- The RED tile will be on the FRONT face.
- The BLUE tile will be on the RIGHT face.

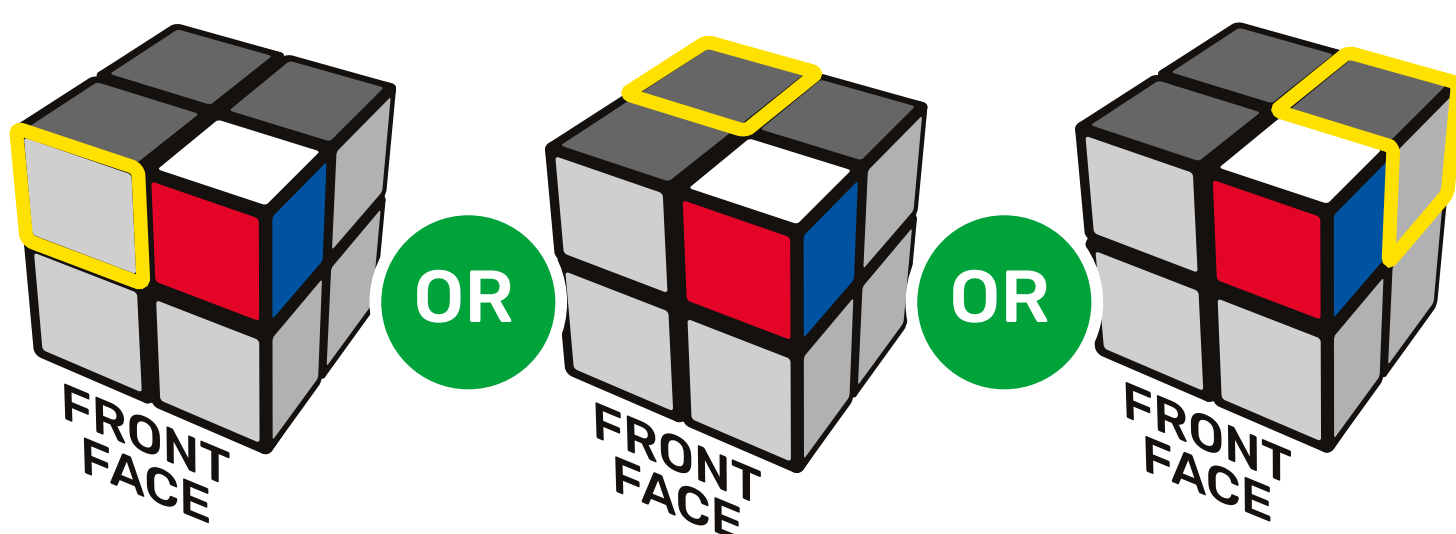
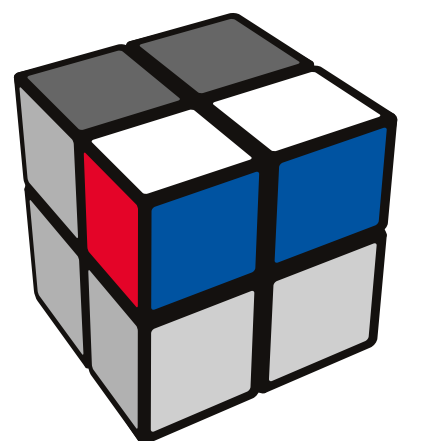


### Action 1

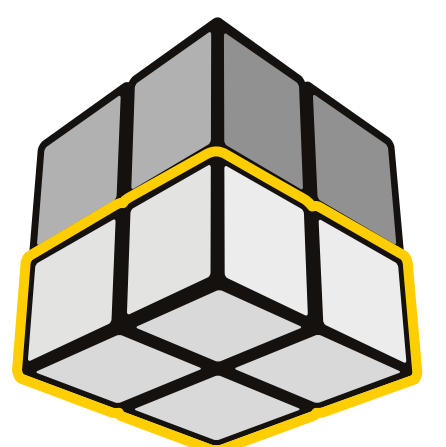
Find the corner piece that has a WHITE tile, a BLUE tile and an ORANGE tile.



- If your Rubik's Mini looks like this, then the 2nd corner is placed. Go to [page 15](#).
- If it is in the **top** layer, it will be in one of the locations here. You will be moving this corner to the **bottom** layer so that you can then place it correctly in the top. Go to [Action 2](#) on [page 12](#).

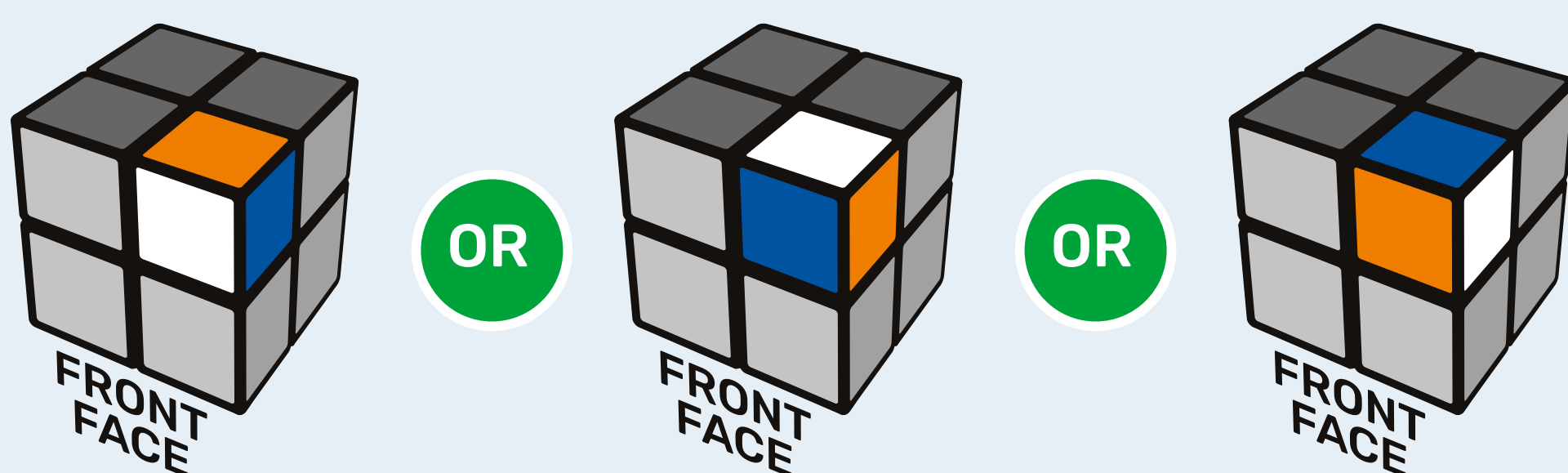


- If the corner piece with WHITE-BLUE-ORANGE corner is in the **bottom** layer, go to [Action 3](#) on [page 13](#).

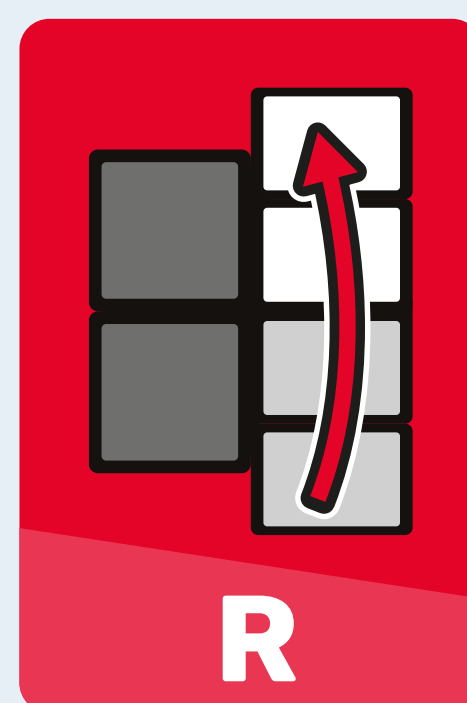
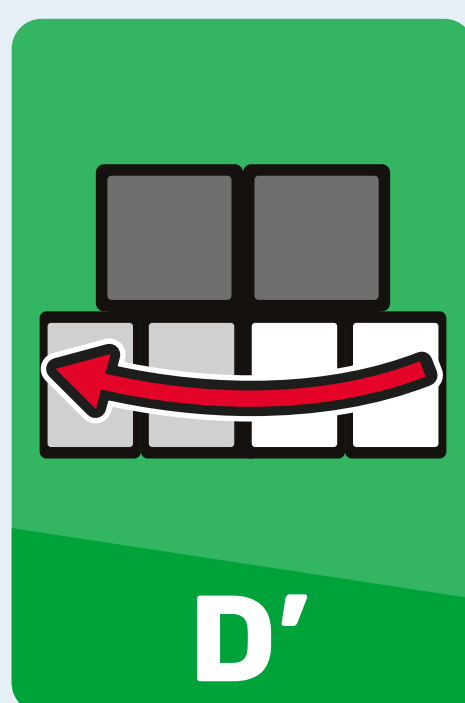
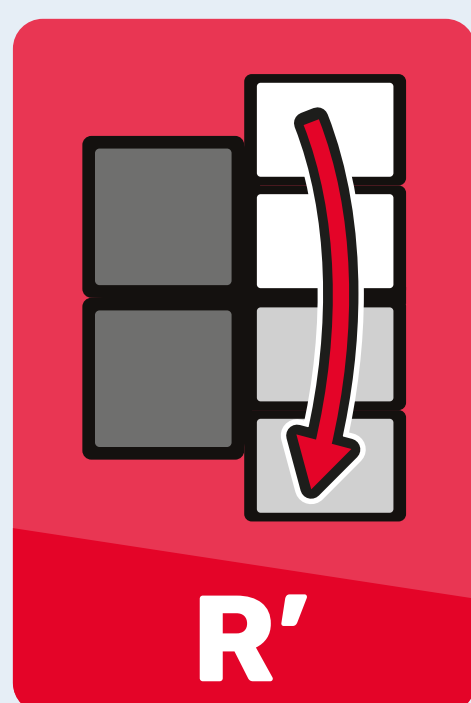


## Action 2

Hold your Rubik's Mini to match one of the pictures below (with the WHITE-BLUE-ORANGE corner on the right).

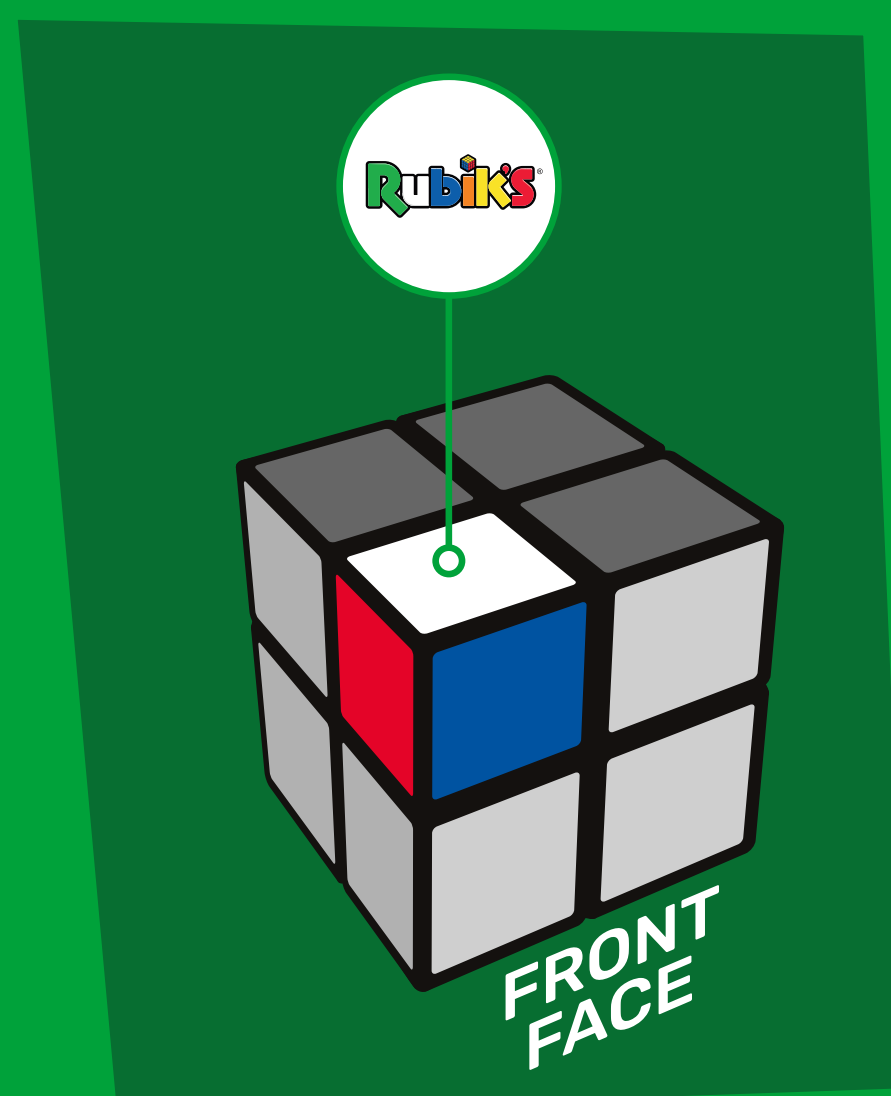


Follow this algorithm to move the WHITE-BLUE-ORANGE corner from the **top** layer to the **bottom** layer. Then move to **Action 3** on **page 13**.



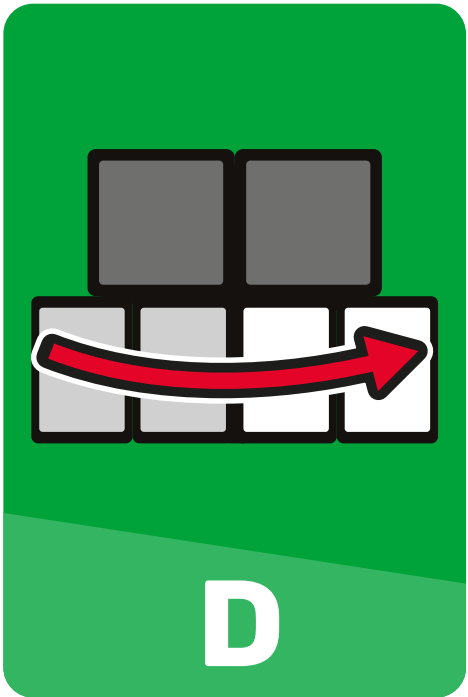
# HOLDING YOUR RUBIK'S MINI

**Now hold your Rubik's Mini so the white tile with the Rubik's logo is facing the ceiling and the WHITE-BLUE-RED corner is on the LEFT.**

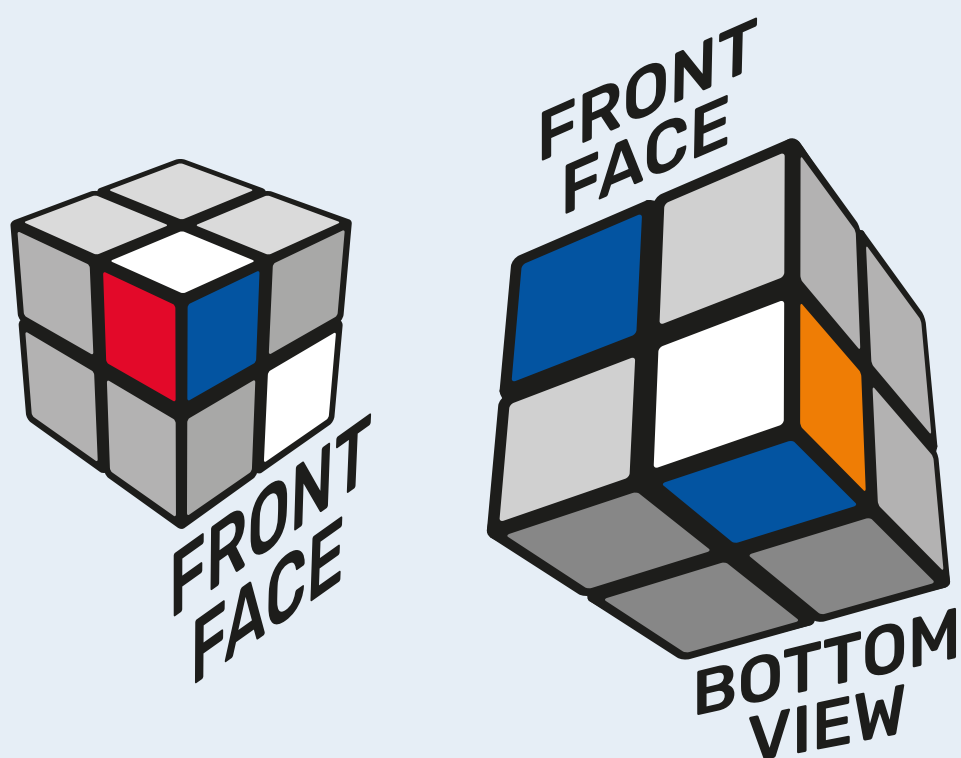


### Action 3

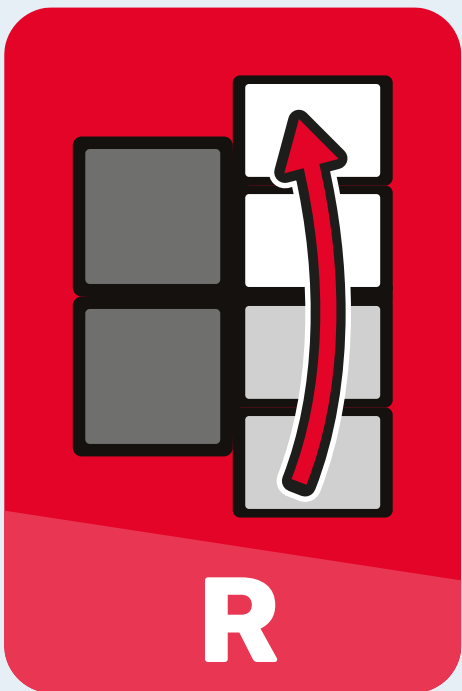
Twist the DOWN face until your Rubik's Mini matches one of the pictures below.



#### CUBE ONE

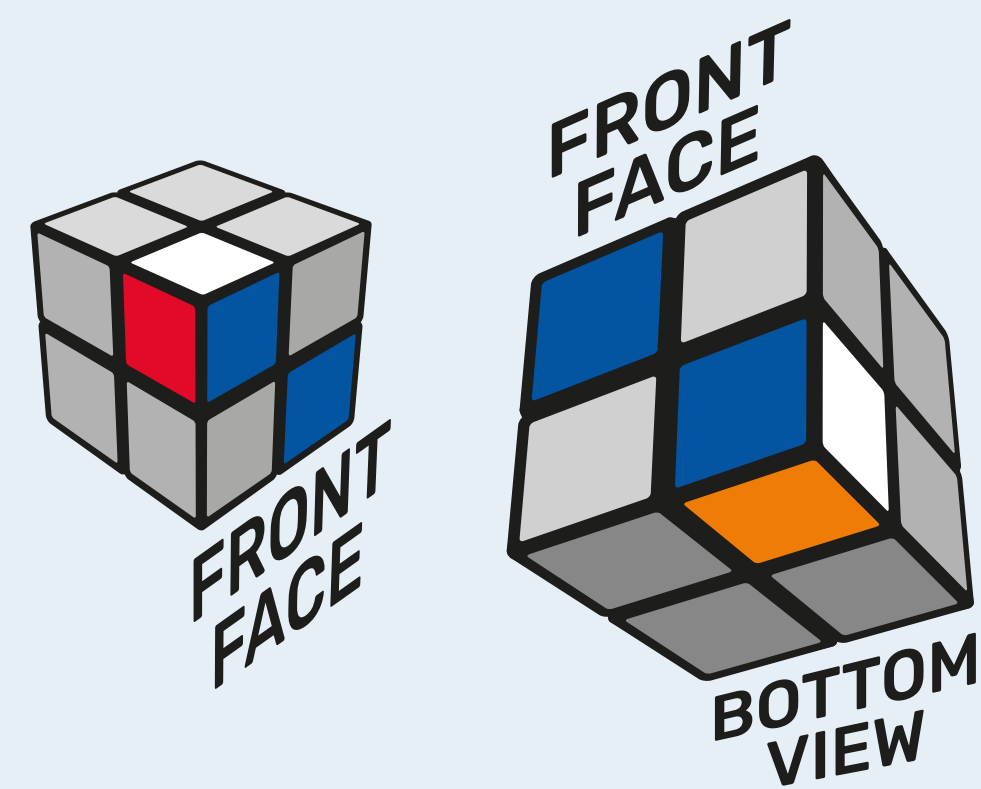


Holding the FRONT facing you, make this turn:

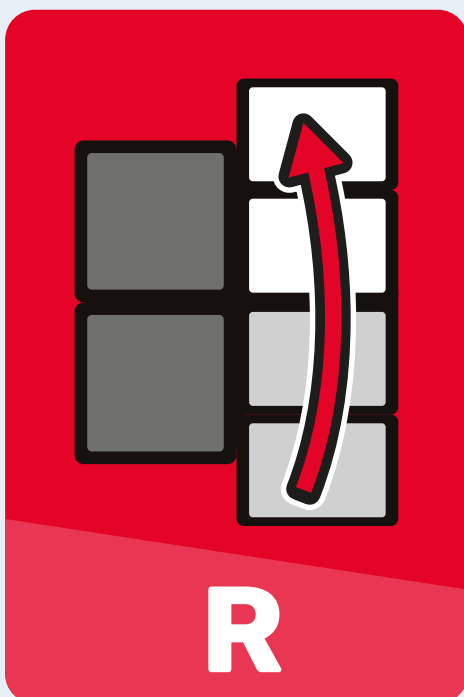
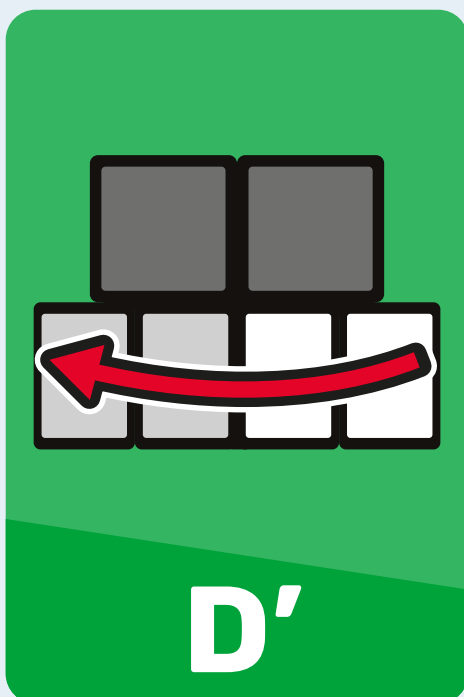
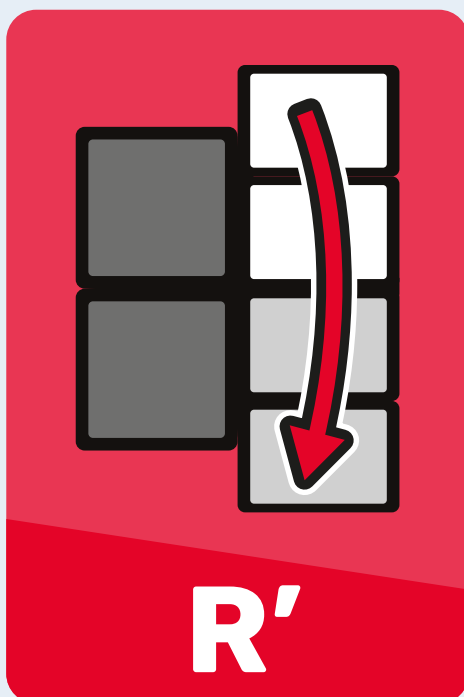


OR

#### CUBE TWO

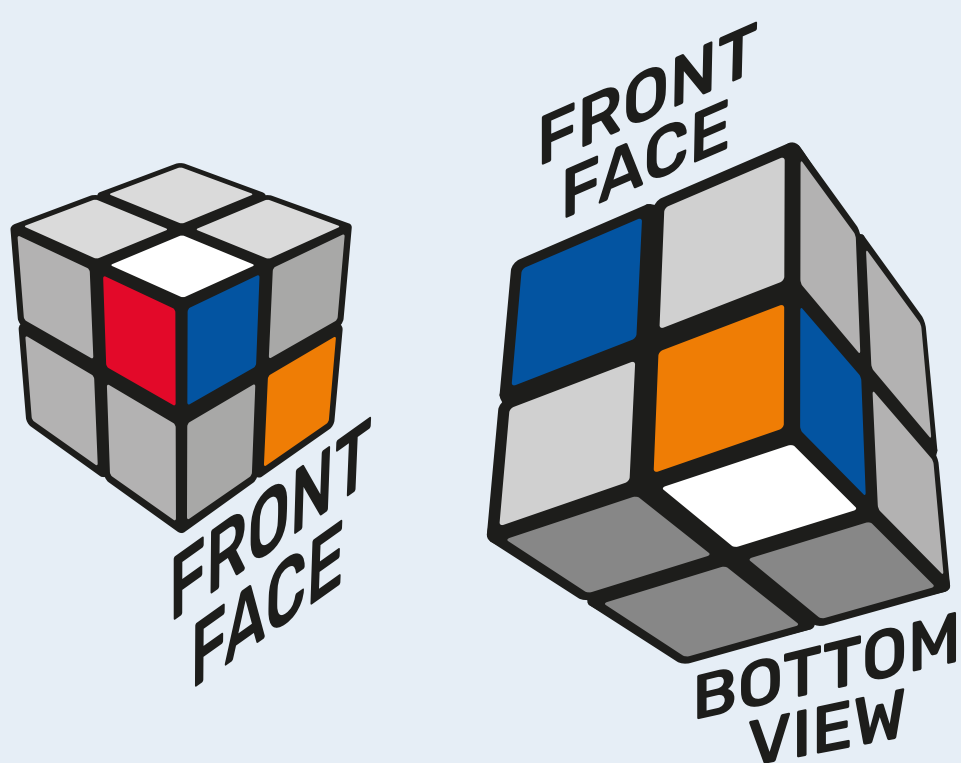


Holding the FRONT facing you, follow this algorithm:

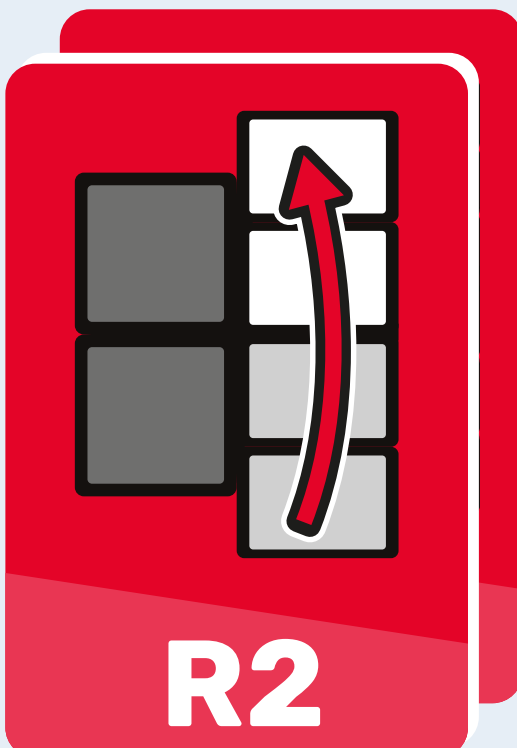
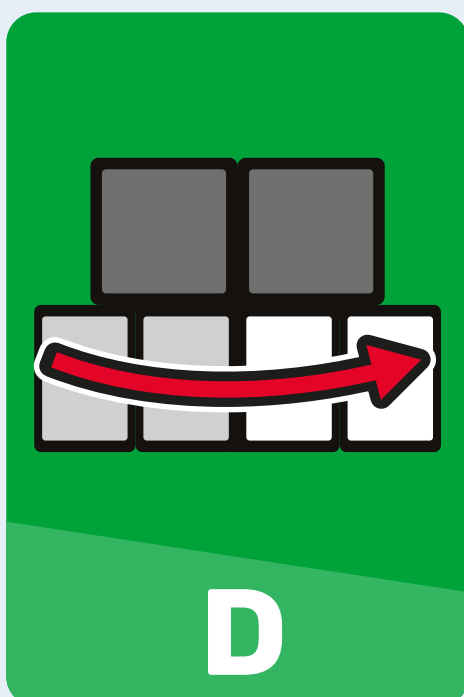


OR

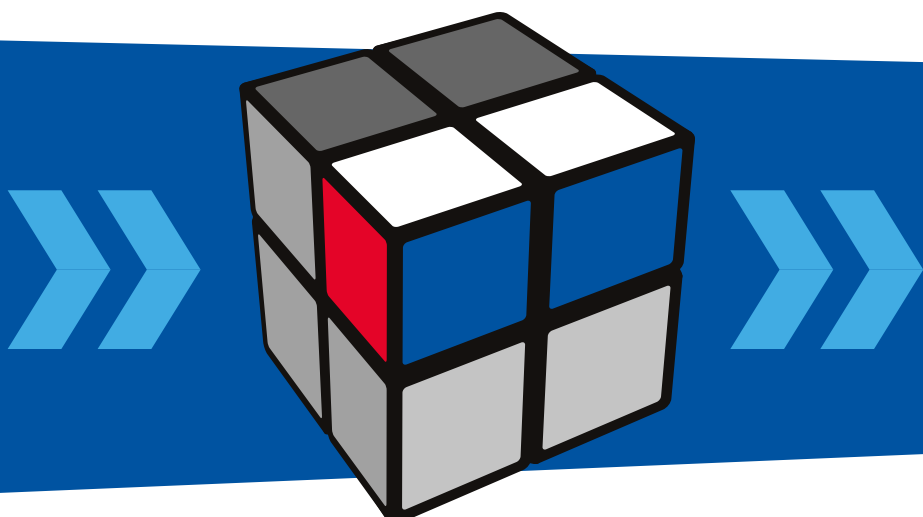
#### CUBE THREE



Holding the FRONT facing you, follow this algorithm:



You've solved the second corner!





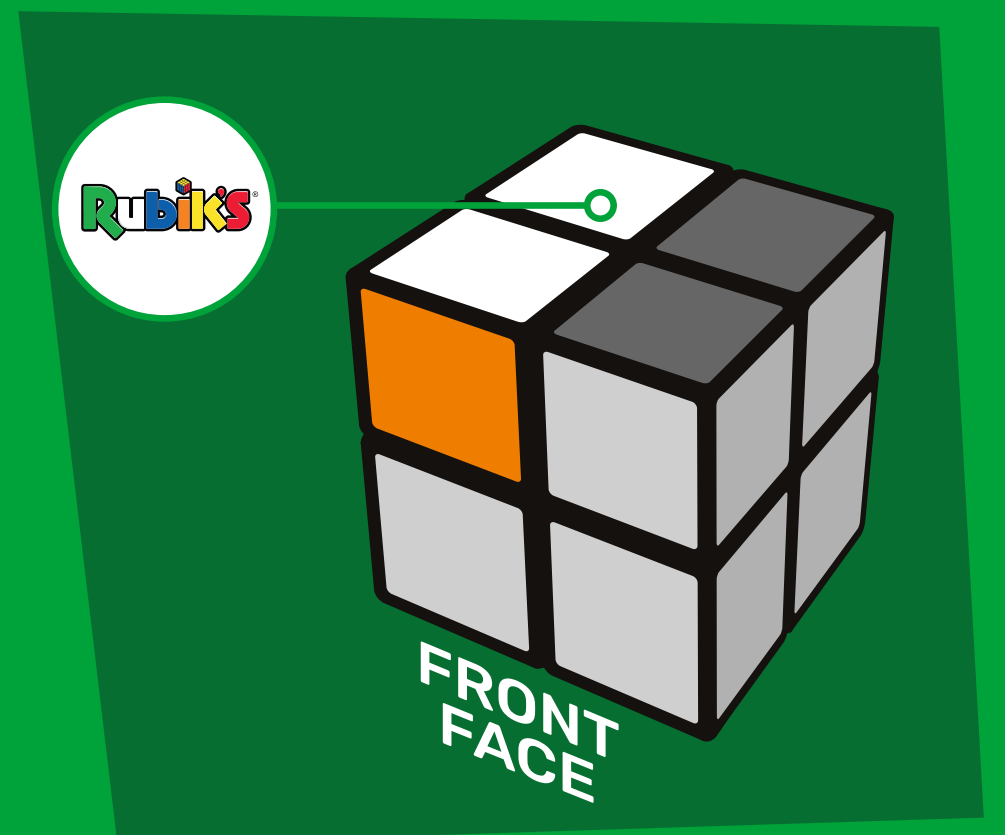
## SOLVE THE TOP LAYER

# 3RD CORNER

### HOLDING YOUR RUBIK'S MINI

Begin by holding your Rubik's Mini so the **WHITE-BLUE-ORANGE** corner is on the **LEFT**.

The logo is still facing the ceiling.

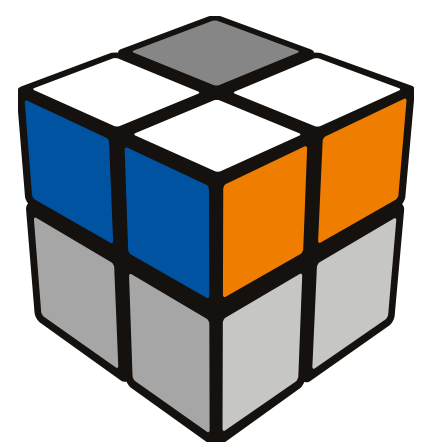


### Action 1

Find the corner piece that has a **WHITE** tile, a **GREEN** tile and an **ORANGE** tile. .

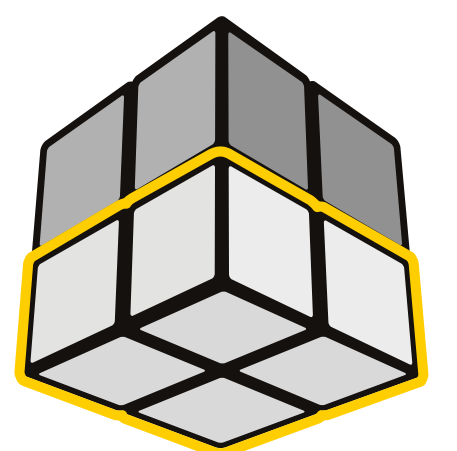


■ If your Rubik's Mini looks like this, then the 3rd corner is placed correctly. Go to **page 18**.



■ If it is in the **top** layer, go to **Action 2**.

■ If the **WHITE-GREEN-ORANGE** corner is in the **bottom** layer, go to **Action 3** on the next page.

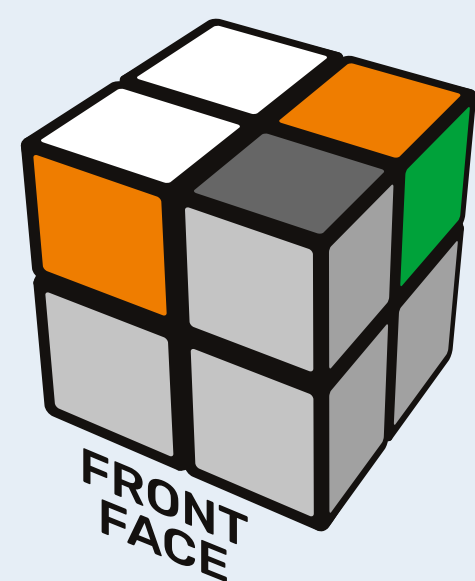




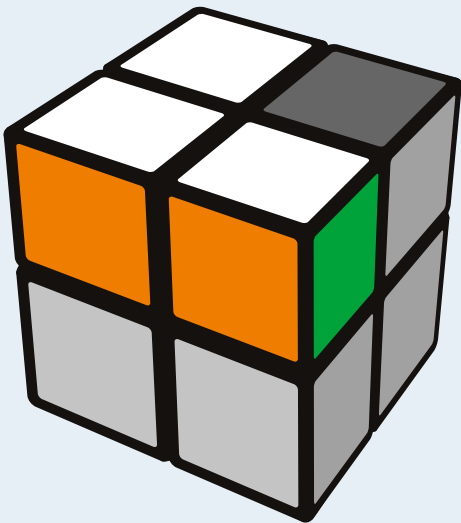
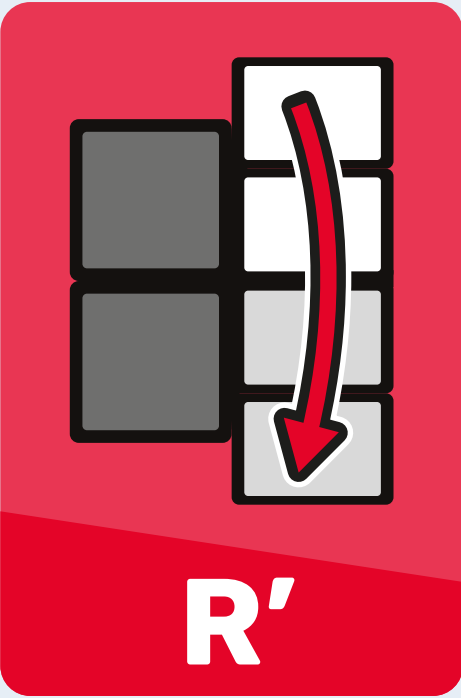
## Action 2

Hold your Rubik's Mini to match one of the pictures below and follow the directions to move the WHITE-GREEN-ORANGE corner to the bottom layer.

### CUBE ONE



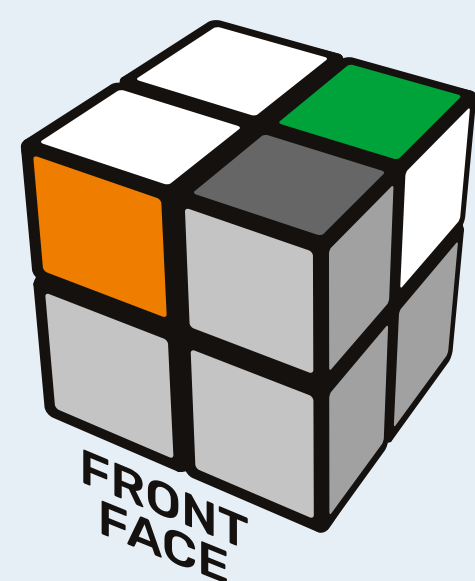
Holding the FRONT facing you, make this turn:



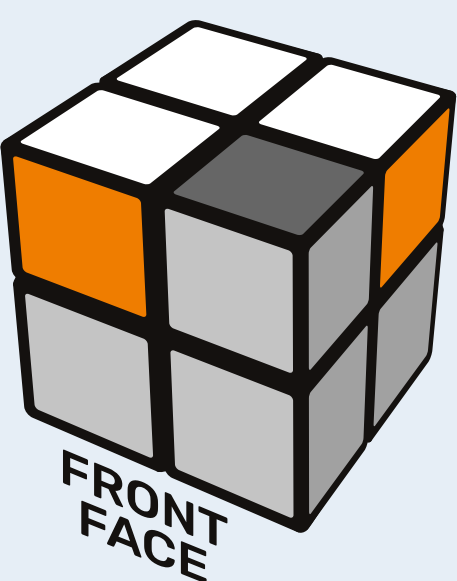
Now go to [Page 17](#).

OR

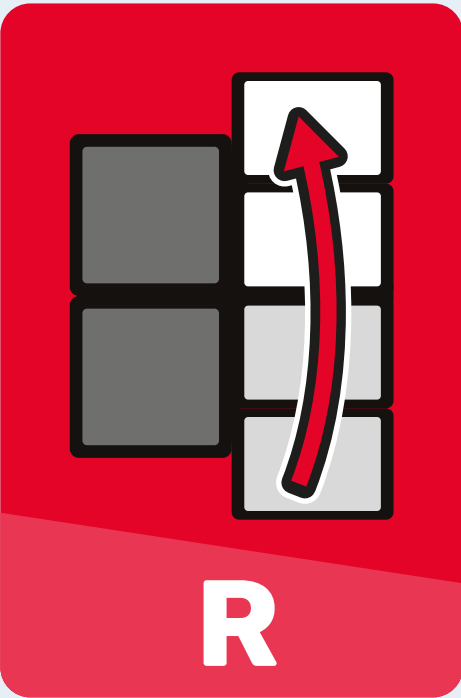
### CUBE TWO



### CUBE THREE



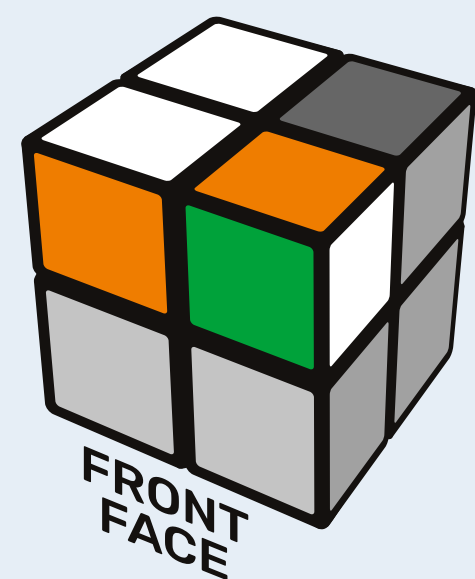
Holding the FRONT facing you, follow this algorithm:



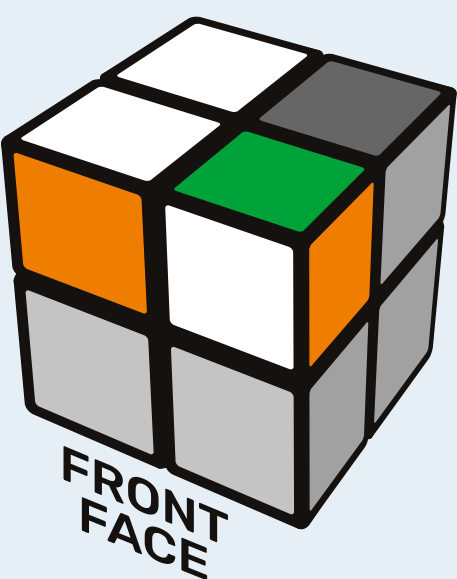
Now go to [Action 3](#).

OR

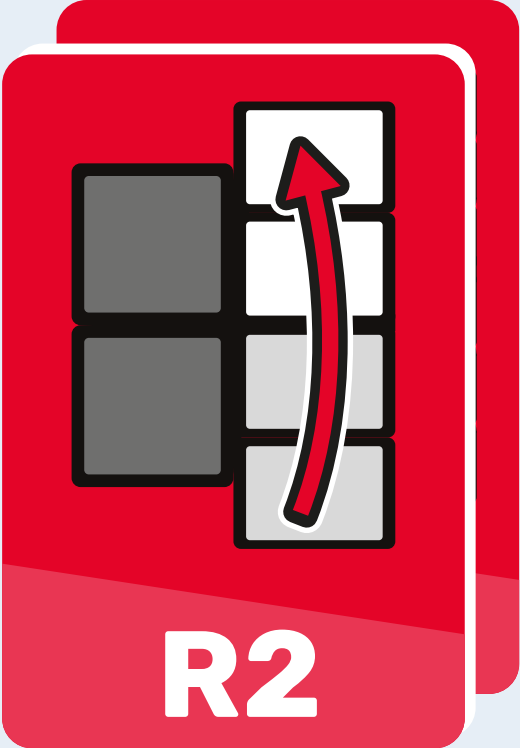
### CUBE FOUR



### CUBE FIVE



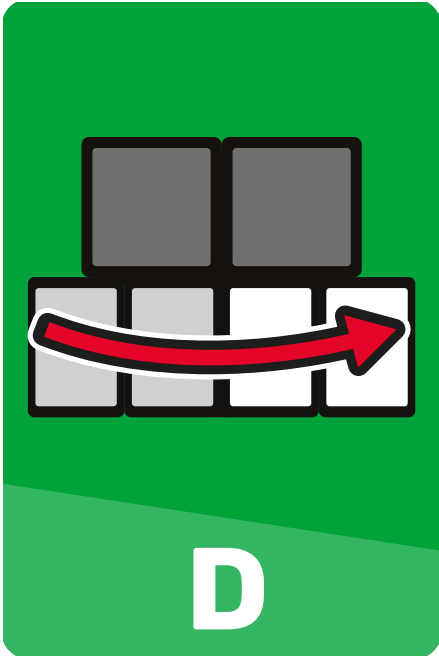
Holding the FRONT facing you, follow this algorithm:



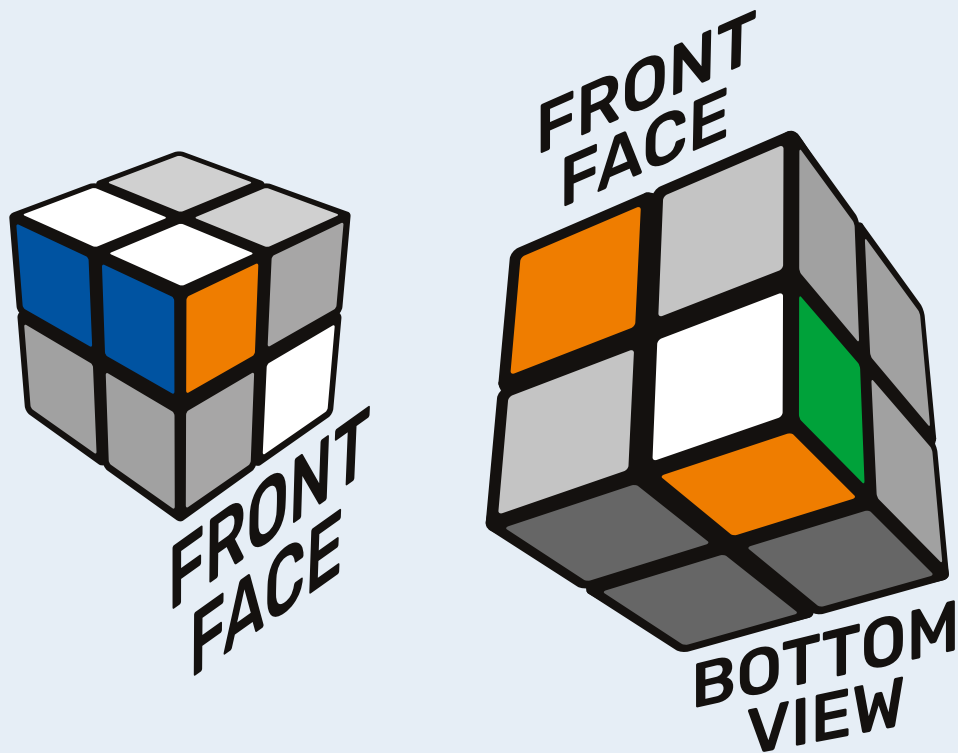
Now go to [Action 3](#).

### Action 3

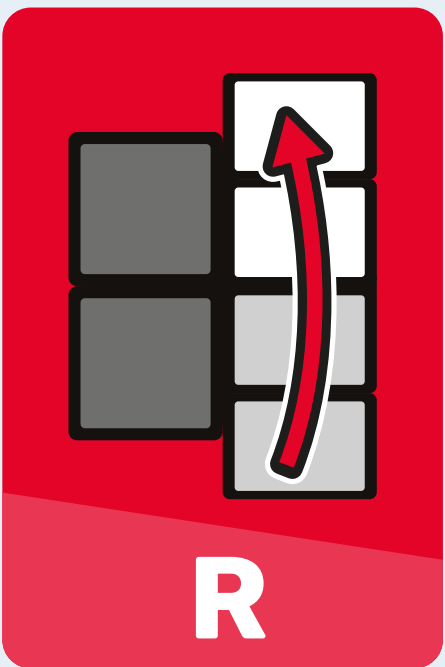
Twist the DOWN face until your Rubik's Mini matches one of the pictures below.



#### CUBE ONE

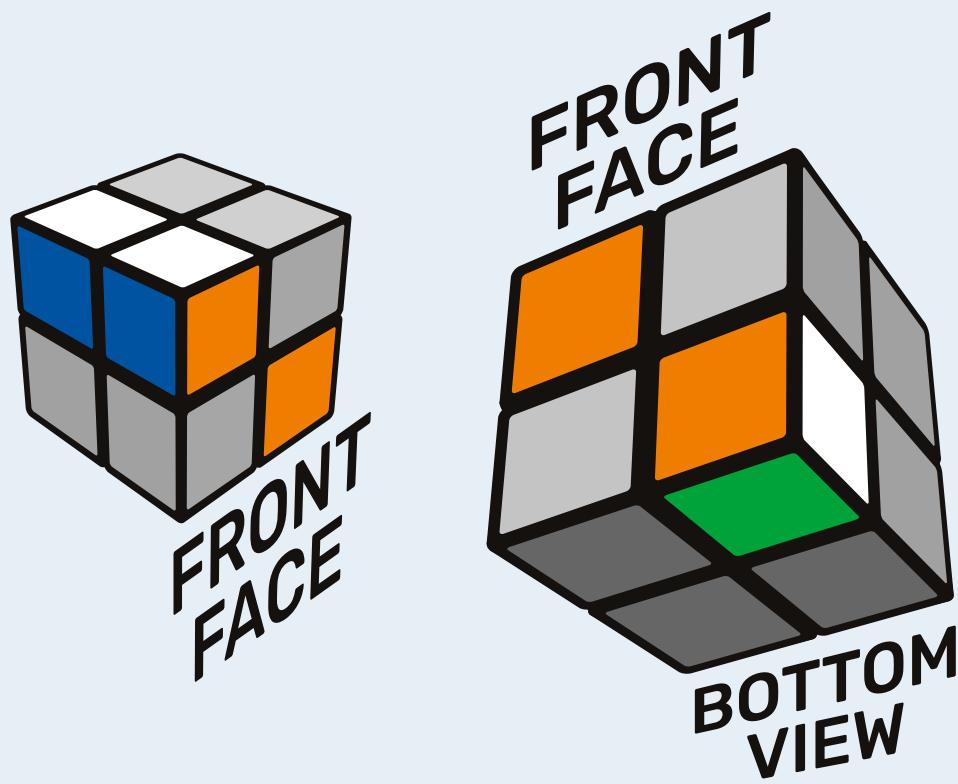


Holding the FRONT facing you, make this turn:

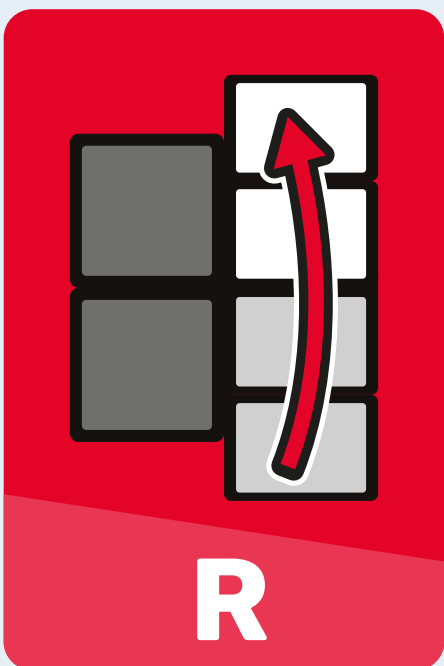
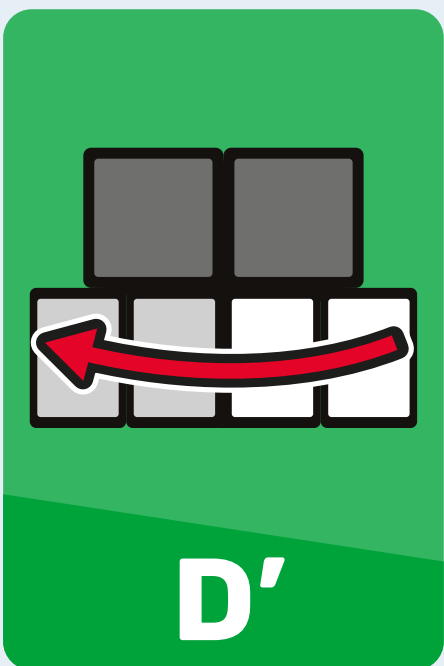
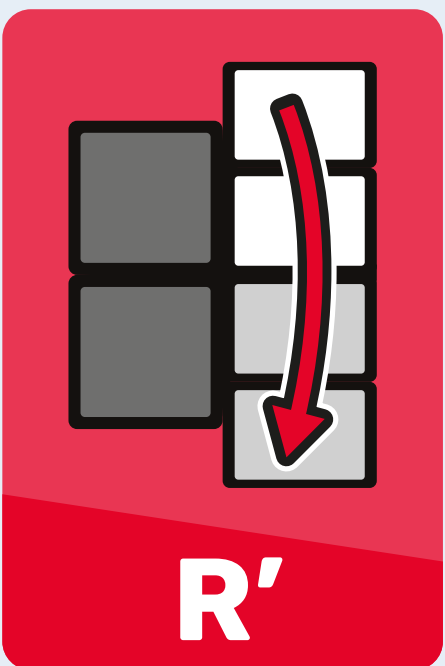


OR

#### CUBE TWO

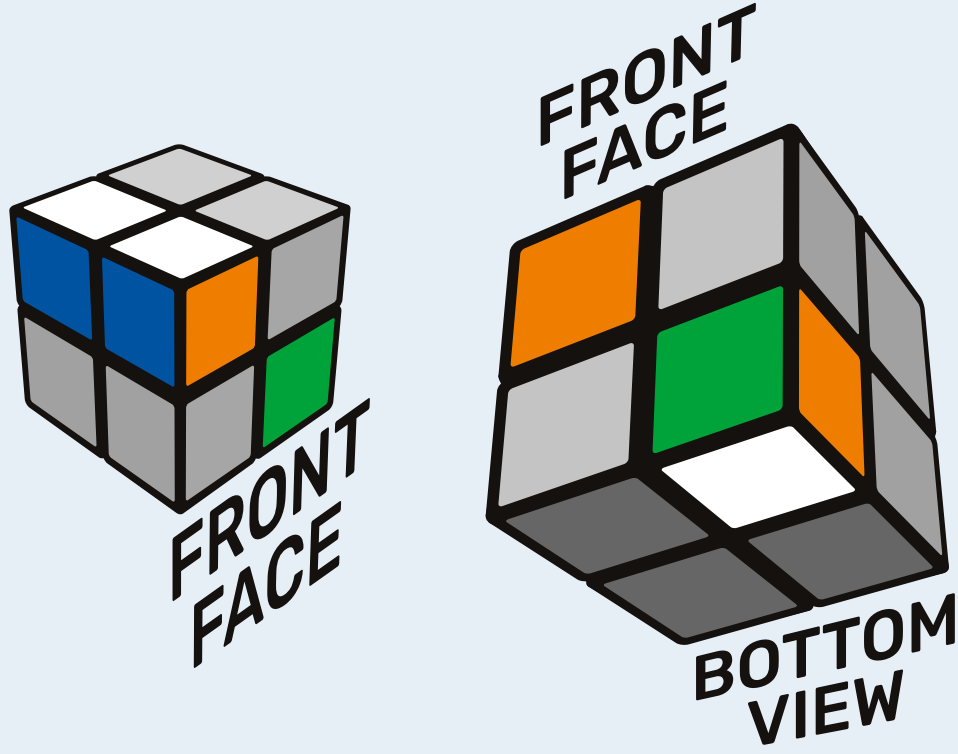


Holding the FRONT facing you, follow this algorithm:

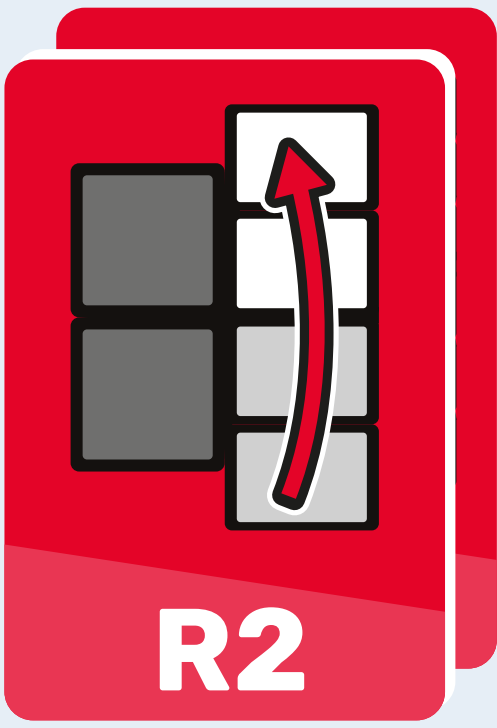
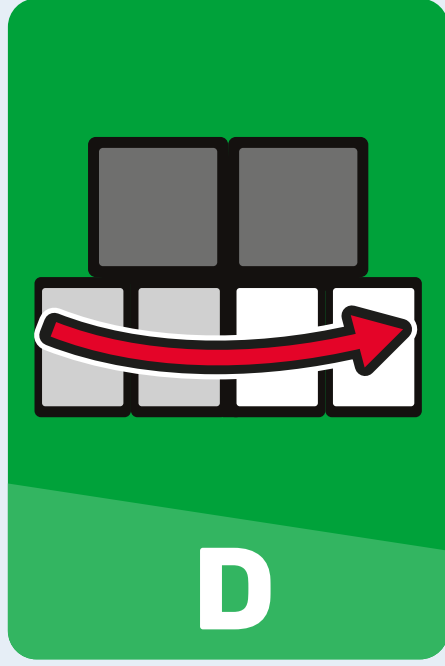


OR

#### CUBE THREE



Holding the FRONT facing you, follow this algorithm:



You've solved the third corner!



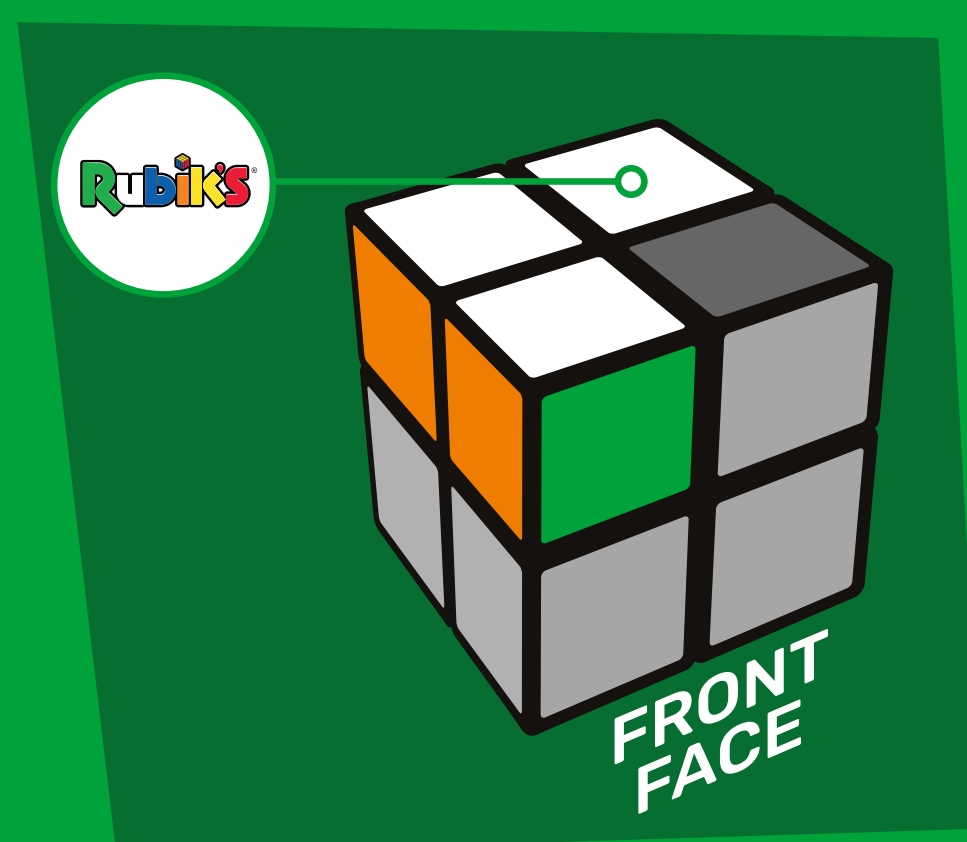
## SOLVE THE TOP LAYER

# 4TH CORNER

### HOLDING YOUR RUBIK'S MINI

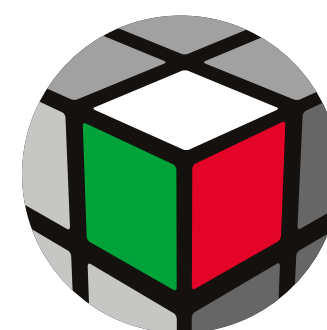
Begin by holding your Rubik's Mini so the **WHITE-GREEN-ORANGE** corner is on the **LEFT**.

The logo is still facing the ceiling.

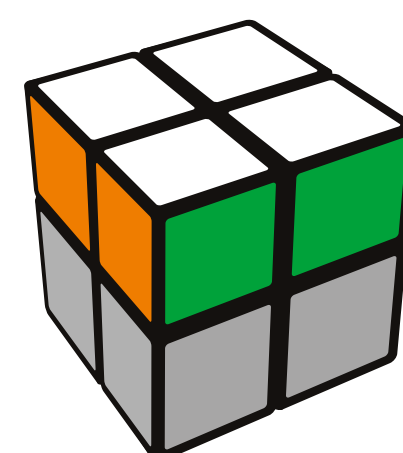


### Action 1

Find the corner piece that has a **WHITE** tile, a **GREEN** tile and a **RED** tile.

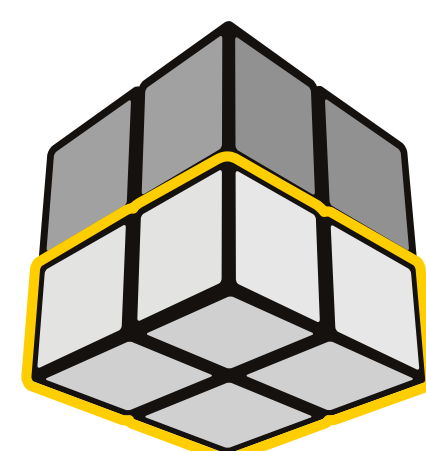


■ If your Rubik's Mini looks like this then the 4th corner is placed correctly. Go to **page 20**.



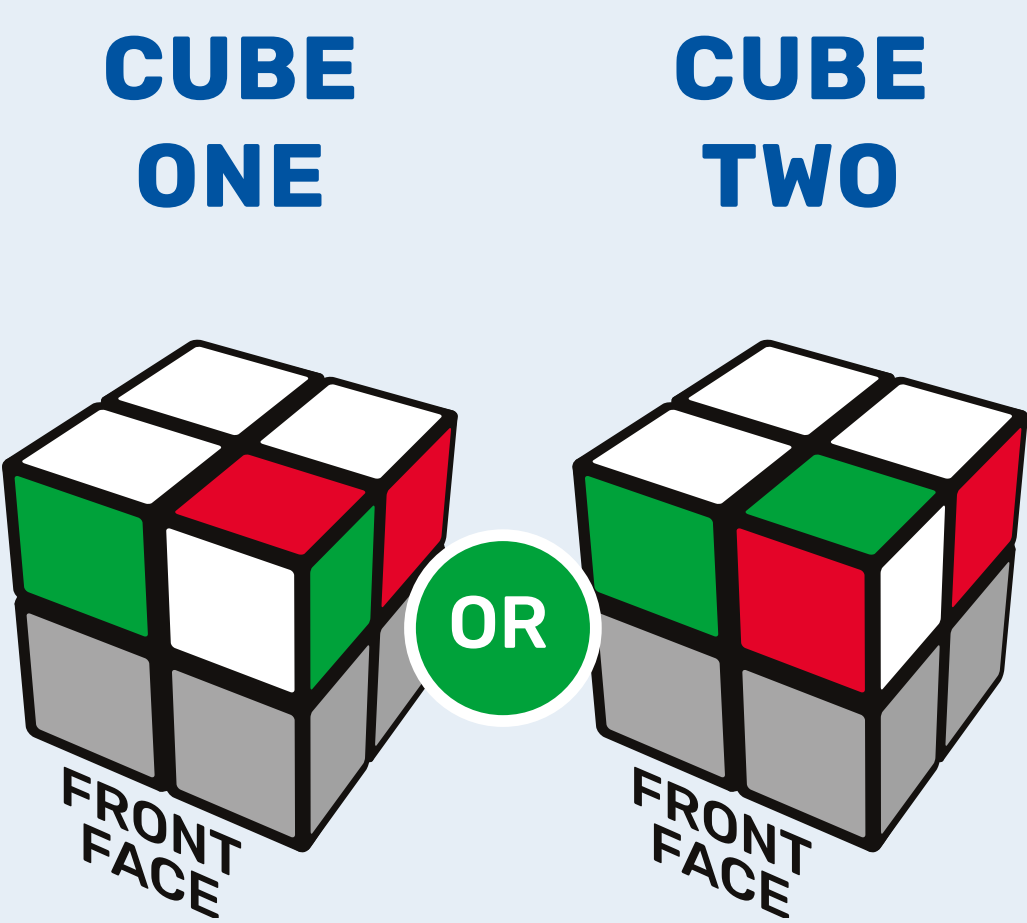
■ If it is in the **top** layer, go to **Action 2** on **page 18**.

■ If the **WHITE-GREEN-RED** corner is in the **bottom** layer, go to **Action 3** on **page 18**.

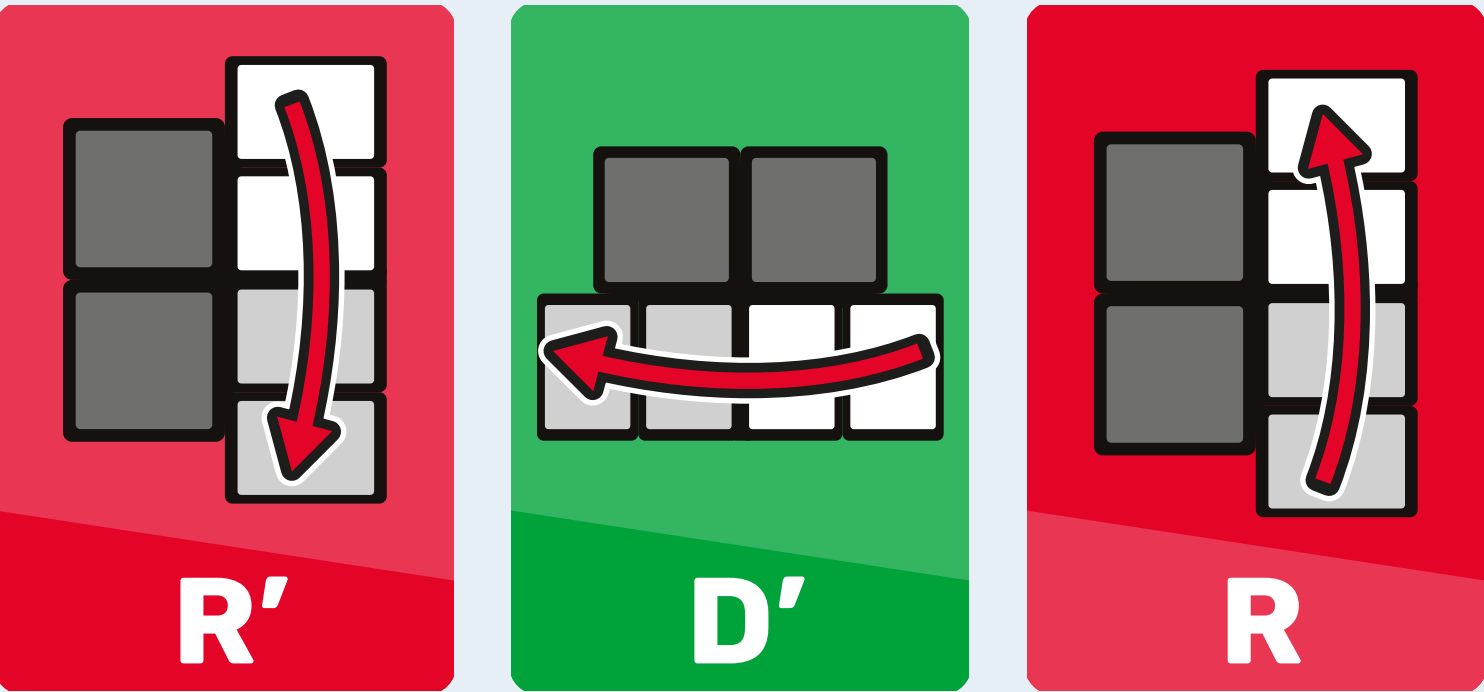


## Action 2

Hold your Rubik's Mini to match one of the pictures below and follow the directions to move the WHITE-GREEN-RED corner to the bottom layer.



Holding the FRONT facing you, follow this algorithm:



➤ Now go to **Action 3**.

## Action 3

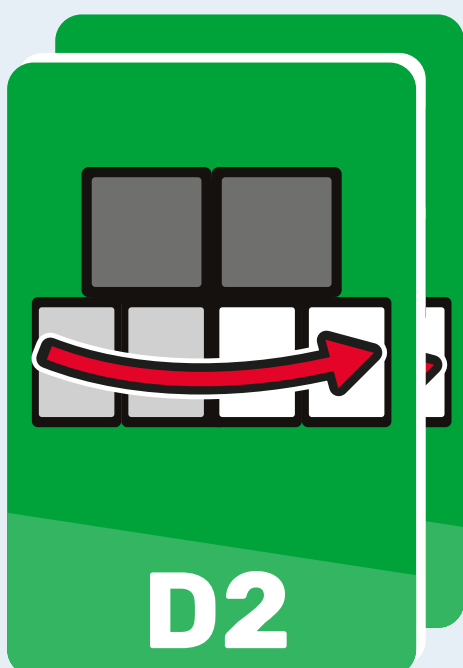
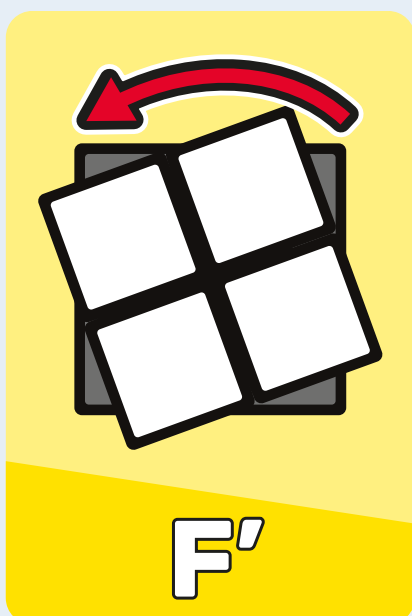
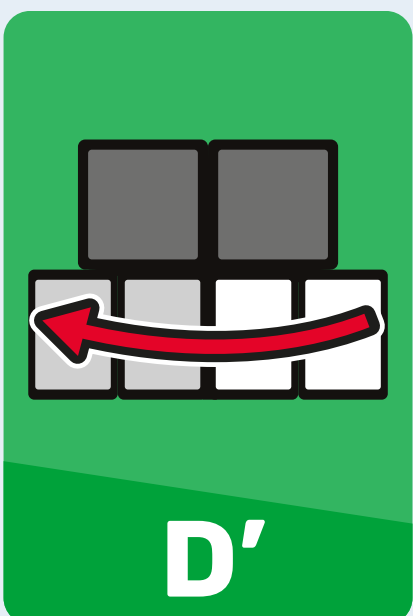
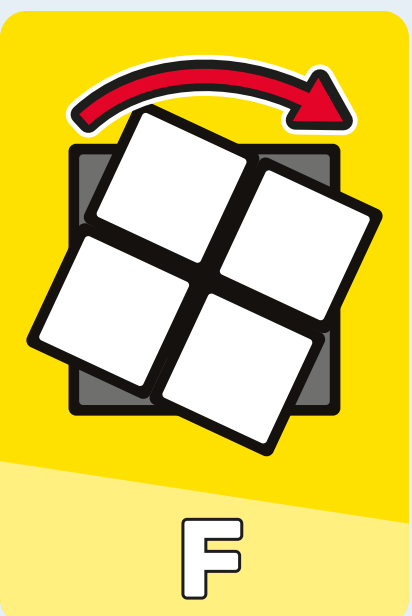
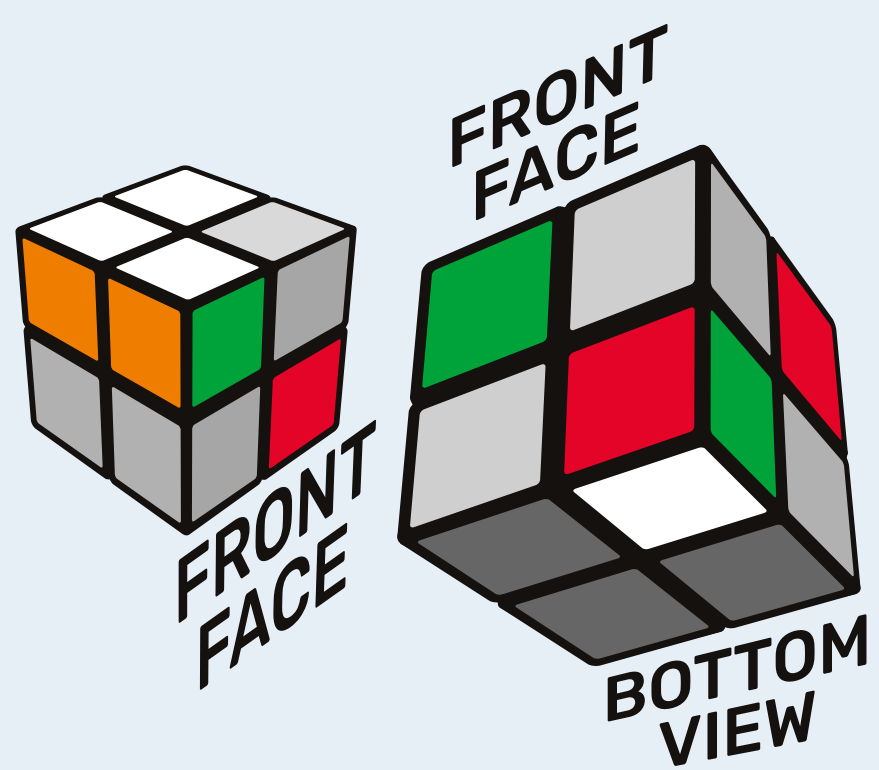
Twist the DOWN face until your Rubik's Mini matches one of the pictures on [page 19](#).



**ACTION CONTINUES ON NEXT PAGE** ➤ ➤ ➤

CUBE ONE

Holding the FRONT facing you, follow this algorithm:

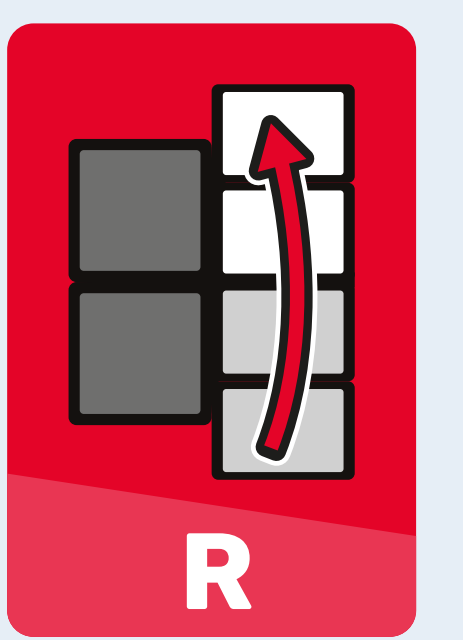
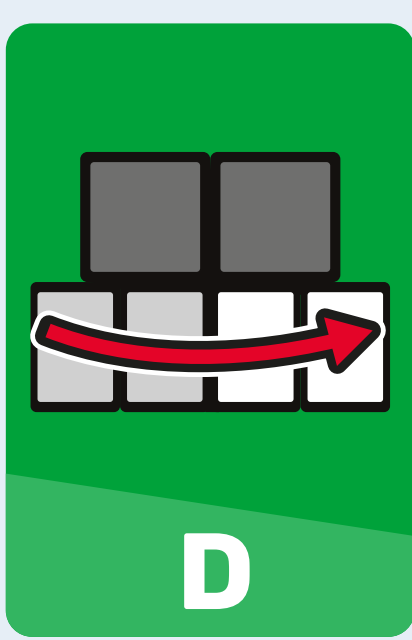
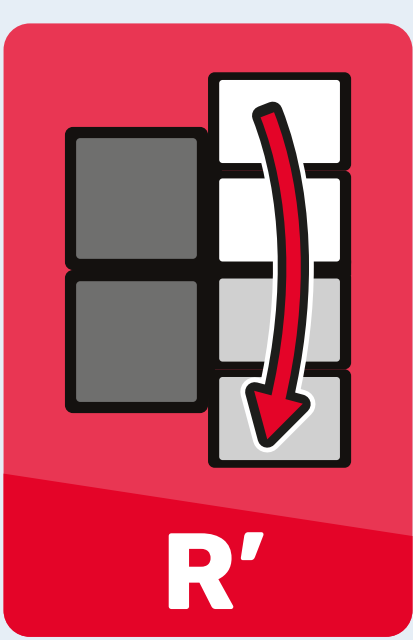
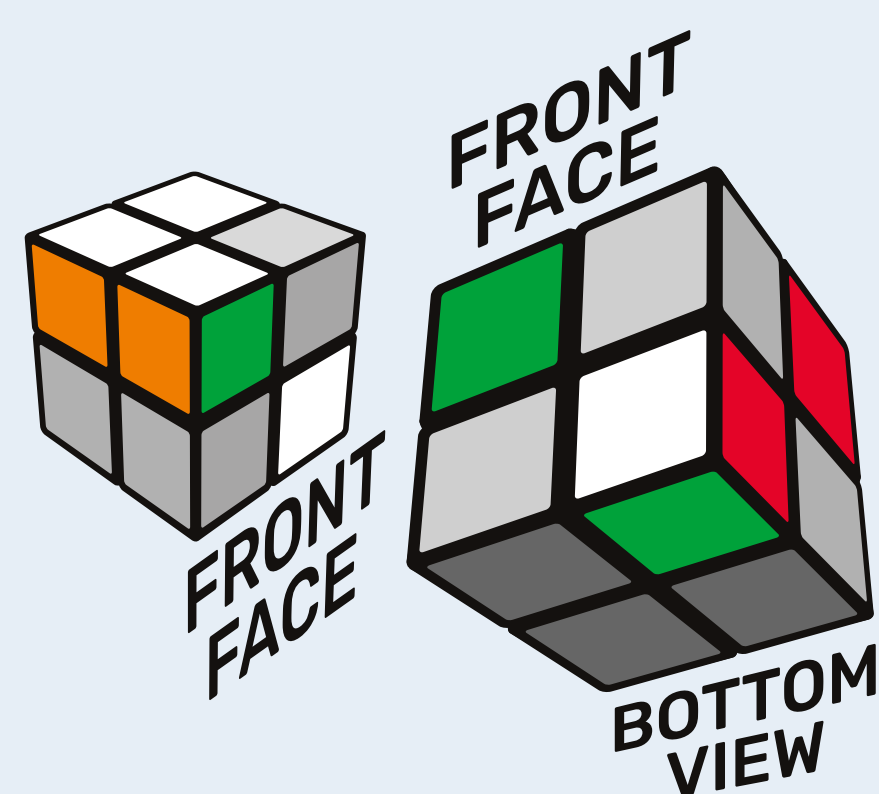


➤ Now go to **CUBE TWO**.

OR

CUBE TWO

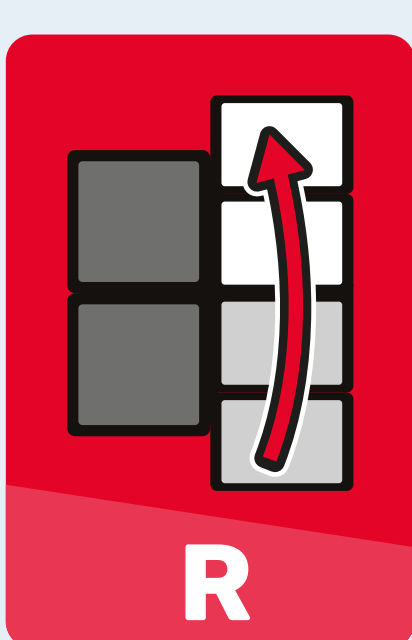
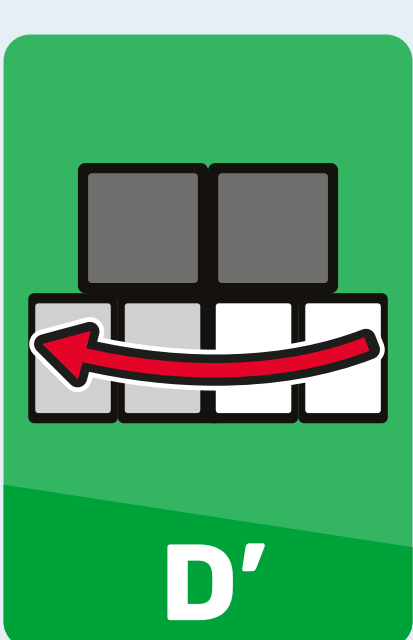
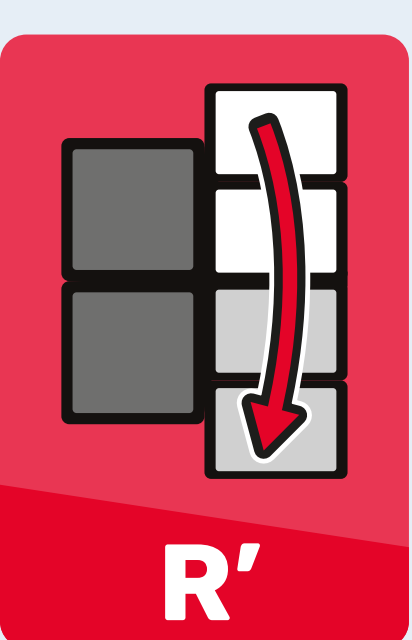
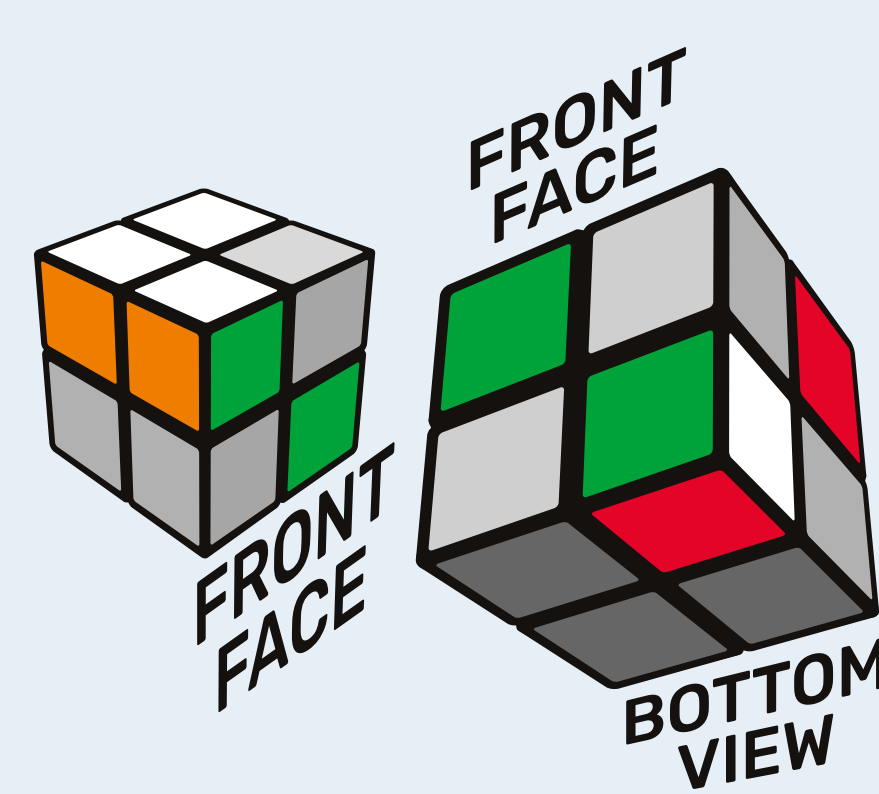
Holding the FRONT facing you, follow this algorithm:



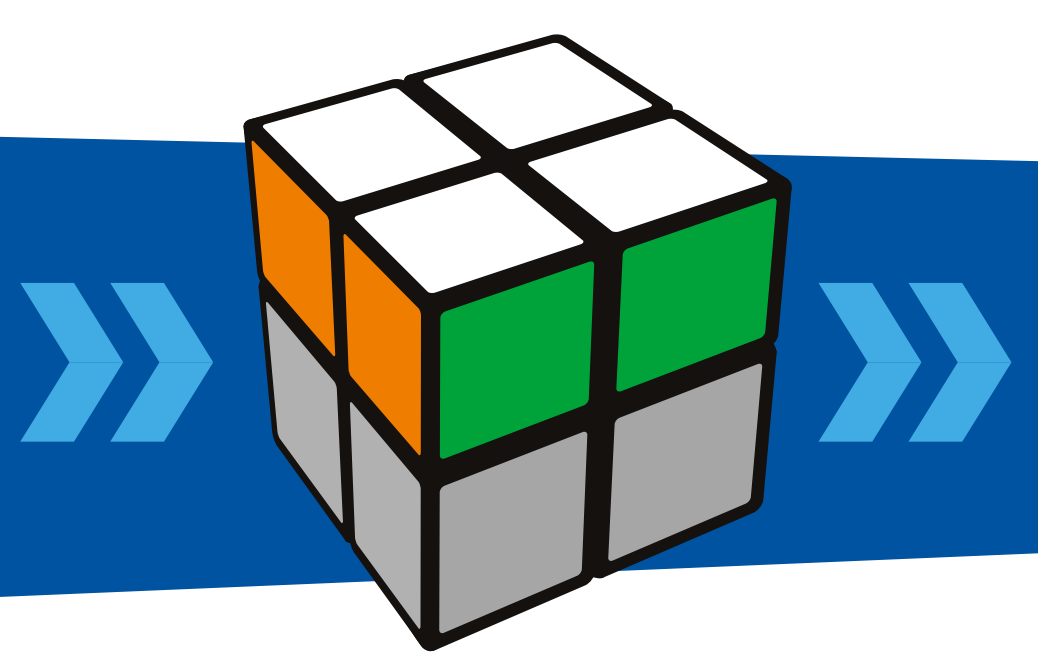
OR

CUBE THREE

Holding the FRONT facing you, follow this algorithm:



You've solved the top layer!



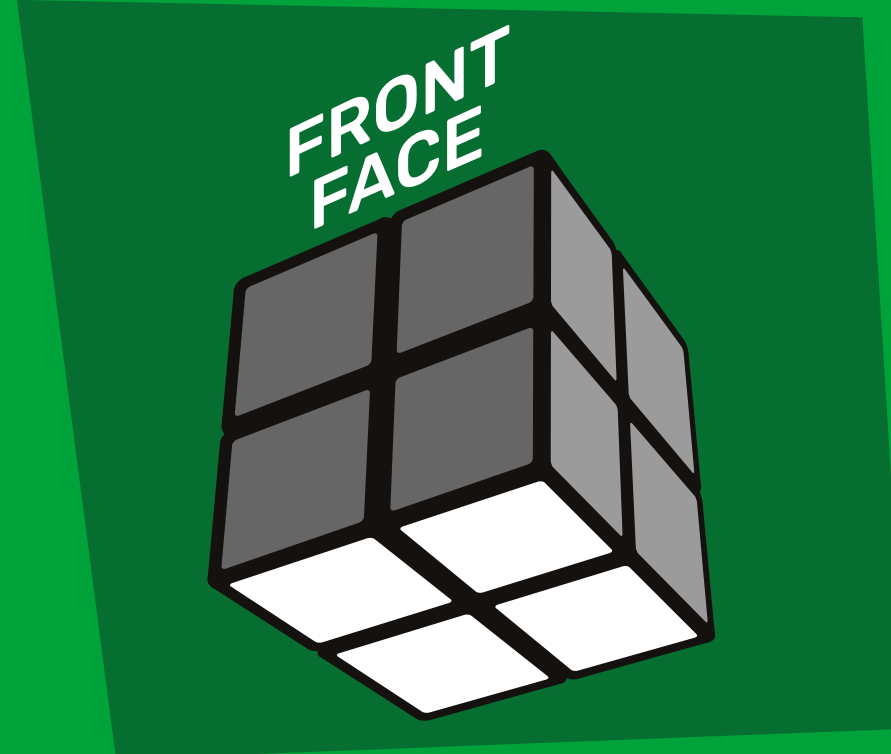


## SOLVE THE SECOND LAYER

# MAKE THE YELLOW FACE

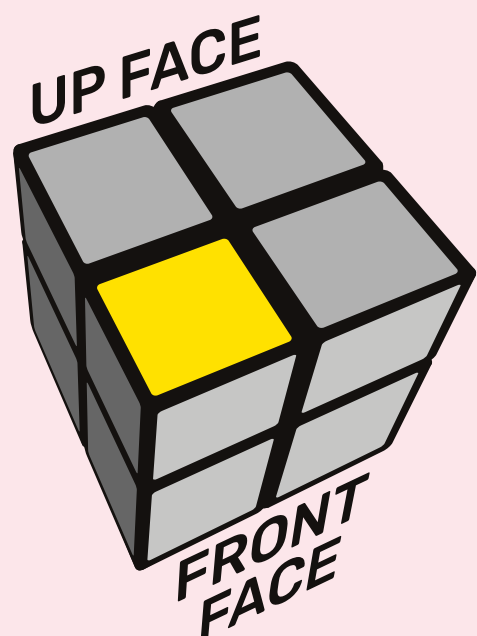
## HOLDING YOUR RUBIK'S MINI

Begin by holding your Rubik's Mini so the WHITE face is on the bottom (DOWN face).



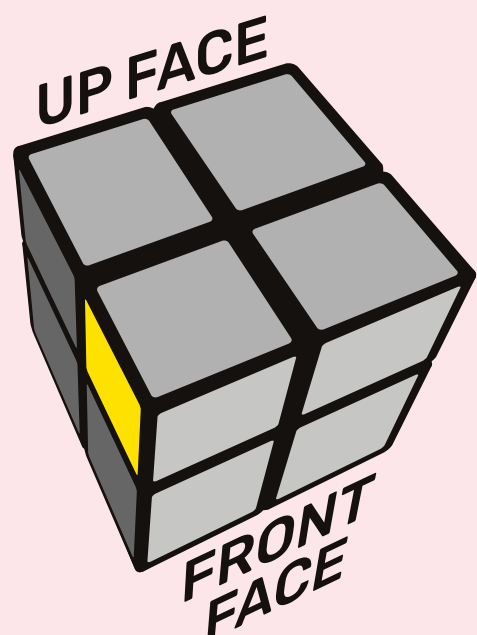
**Action 1** Match the UP face to one of the pictures below:

If **1 Yellow** tile is on the UP face



This saying may help:  
**'Top one'**

If **no Yellow** tiles are on the UP face

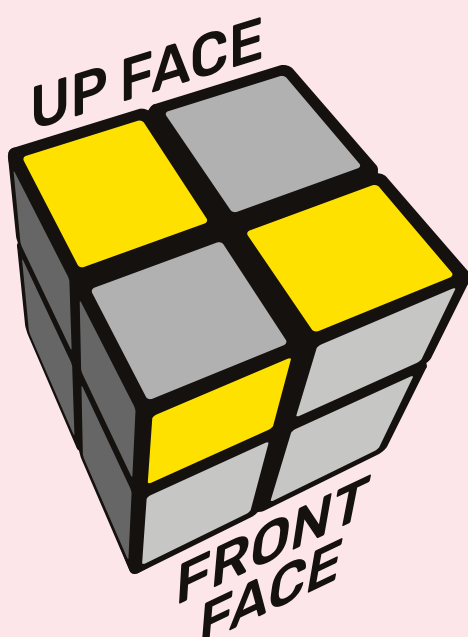
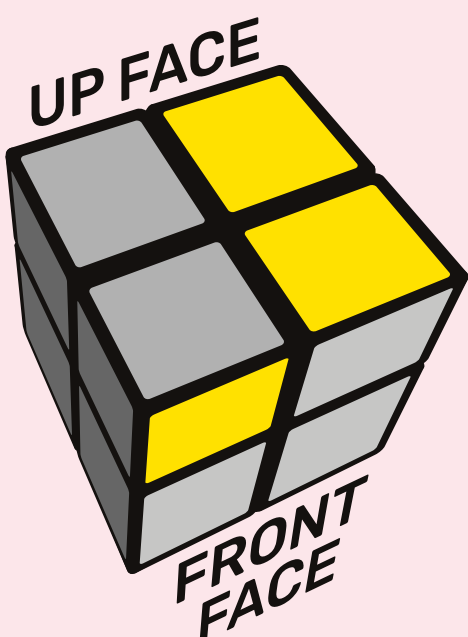
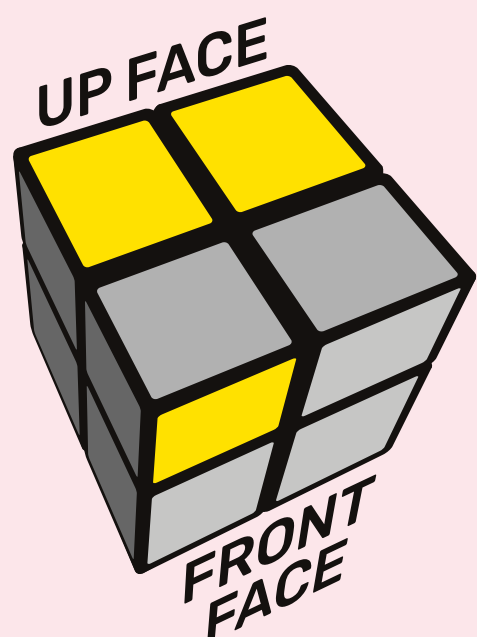


This saying may help: **'None left!'**

**None** = no Yellow on top.

**Left** = Yellow on **LEFT** face.

If **any 2 Yellow** tiles are on the UP face

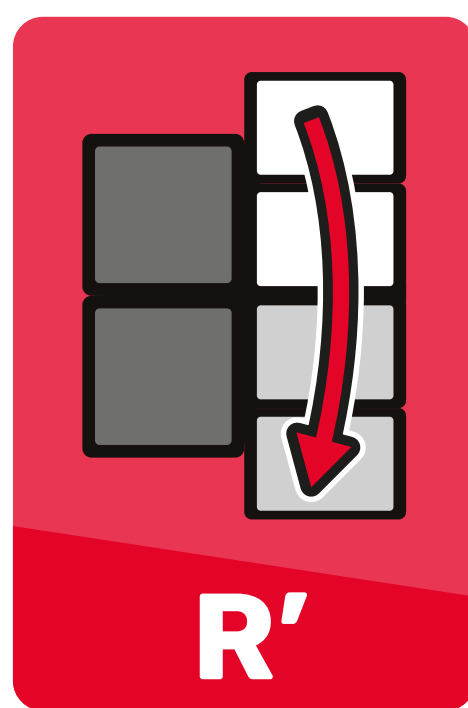
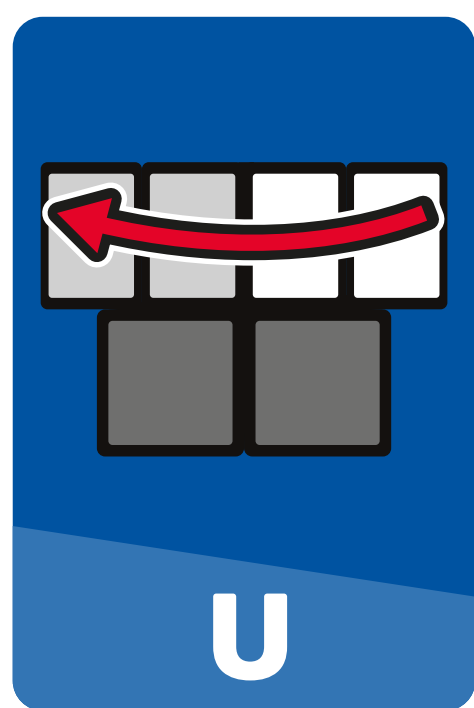
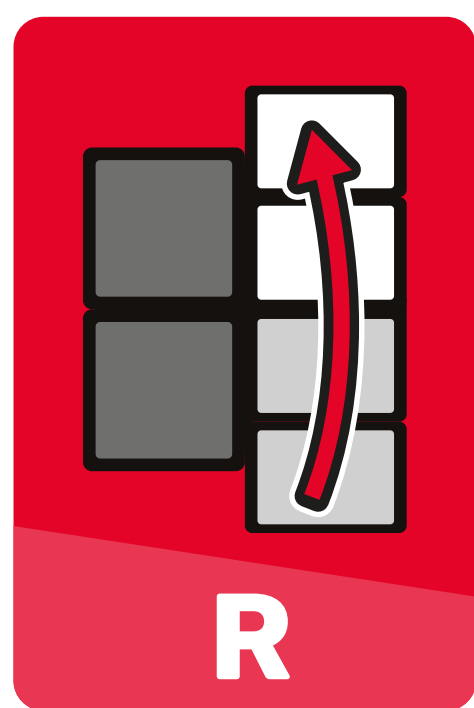


This saying may help:  
**'I see two, my left thumb is on you.'**

You can put your left thumb on the Yellow tile on the FRONT face.



## Action 2 Follow this algorithm:



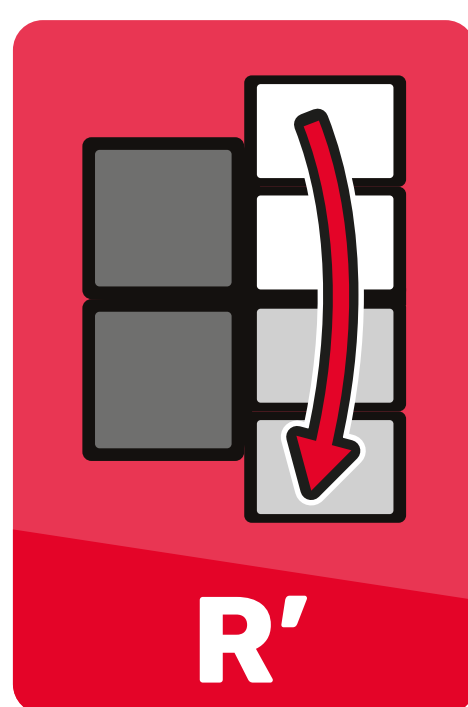
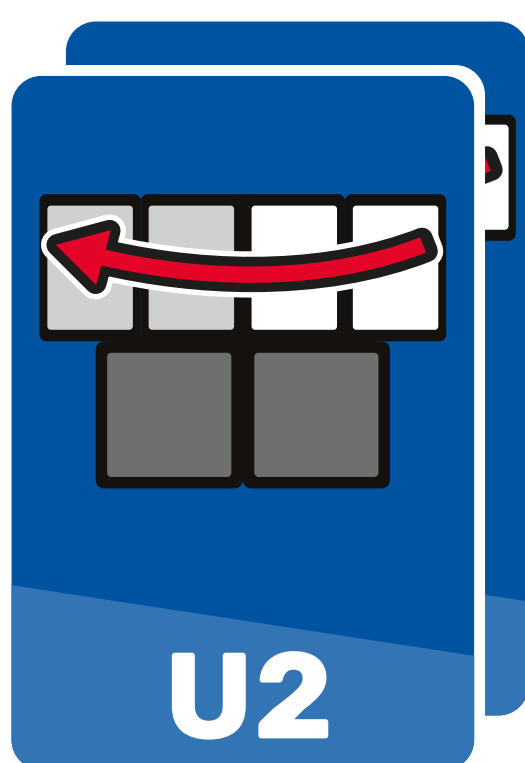
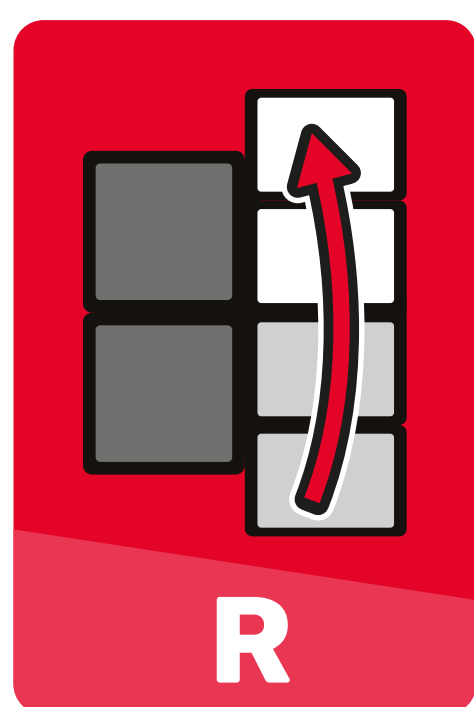
Up

Over

Down



Over



Up

Over, over

Down



### CHANT

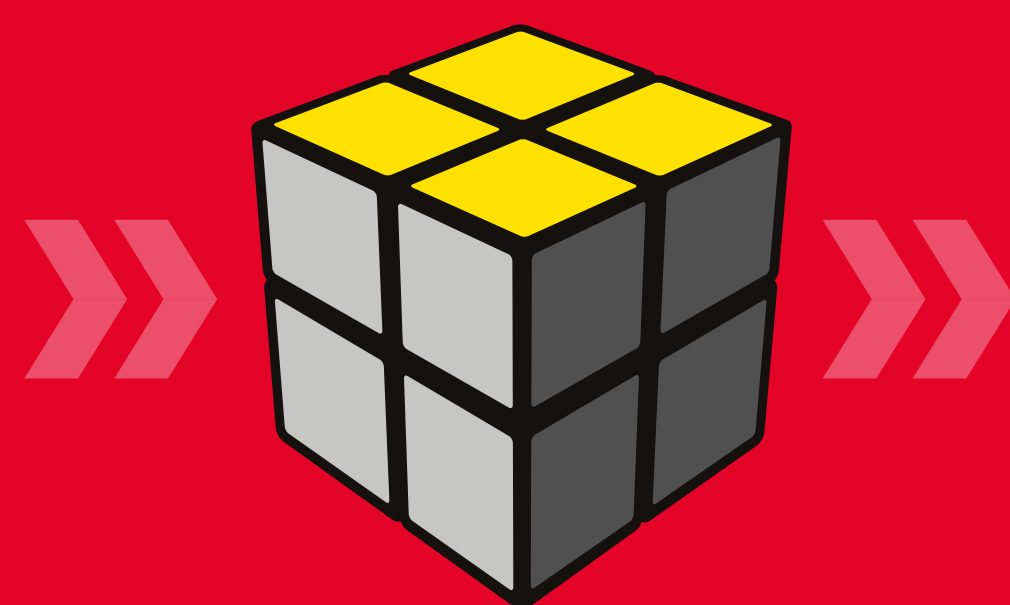
The words underneath the turns are a chant to help you remember the algorithm.

Notice the RIGHT face turns in opposite directions every other time and the UP face always turns clockwise.

### Action 3

If you do not have all YELLOW tiles on the UP face, rematch your Rubik's Mini to one of the pictures in **Action 1** on **page 20** and repeat the algorithm in **Action 2**. You may need to do this 2 or 3 times.

If you have all Yellow on the UP face, go to the next page.



Continue to the next step 'Place the Yellow Corners Correctly' on the following page



## SOLVE THE SECOND LAYER

# PLACE THE YELLOW CORNERS CORRECTLY

## HOLDING YOUR RUBIK'S MINI

Begin by holding your Rubik's Mini with **YELLOW** on the UP face.



### Action 1

Twist the top layer until the colored tiles of two corners match the **bottom** layer.



Look at the faces of your Rubik's Mini. Are all the colors like this?



Yeah! You've solved the Rubik's Mini!

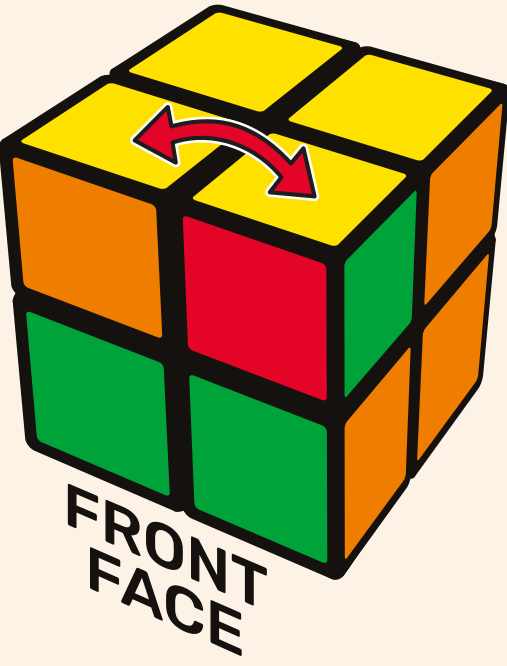
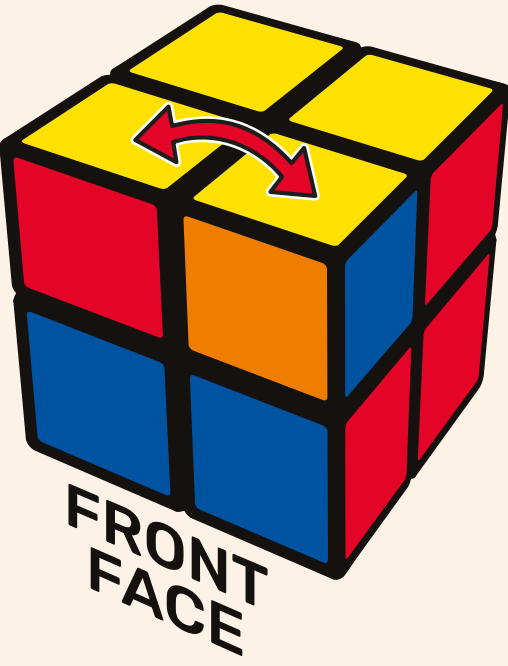
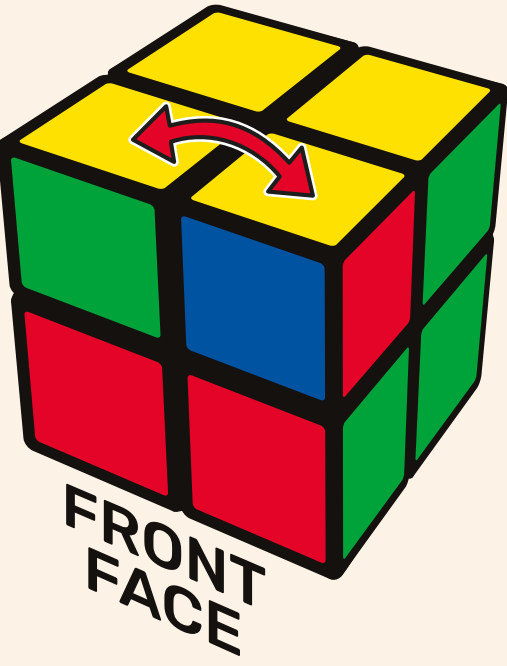
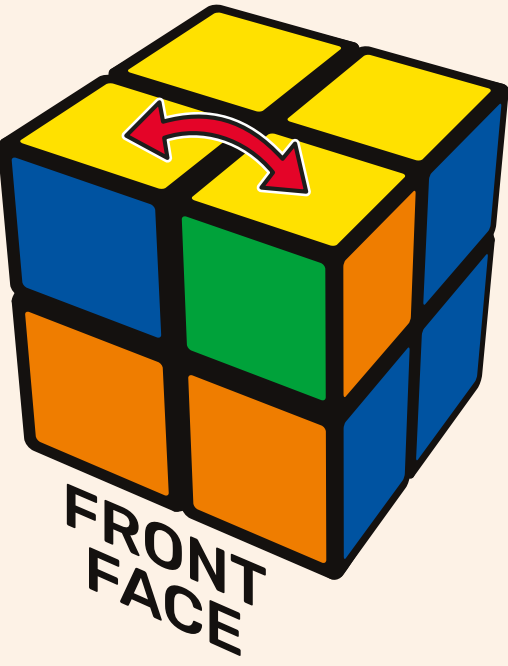




If your Rubik's Mini is not solved then go to **Action 2** on **page 24**.

## Action 2

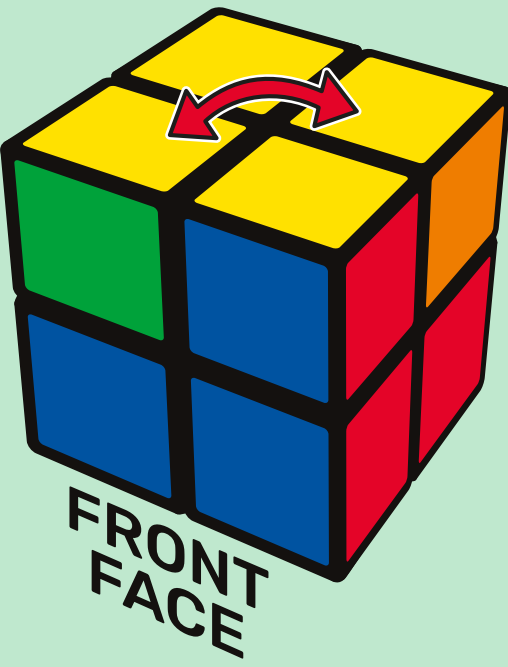
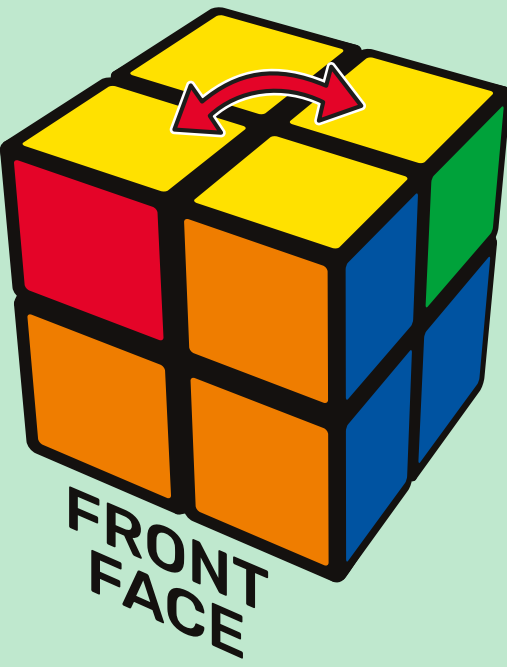


Hold your Rubik's Mini so it matches one of the pictures.

*Red arrows show the corners that need to swap.*

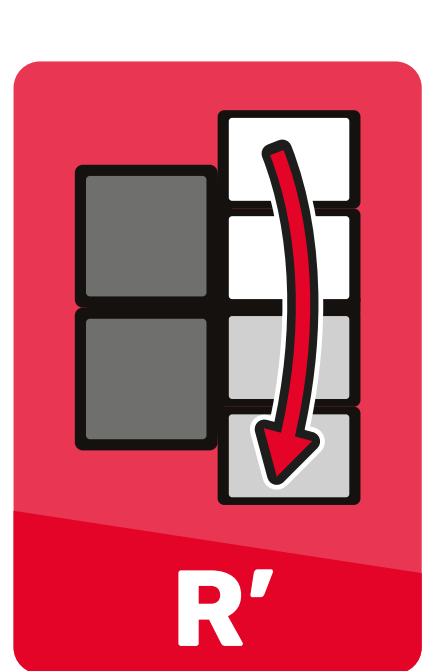
### Adjacent Corners (next to each other)

CUBE ONE	CUBE TWO	CUBE THREE	CUBE FOUR
 FRONT FACE	 FRONT FACE	 FRONT FACE	 FRONT FACE
 BACK FACE	 BACK FACE	 BACK FACE	 BACK FACE

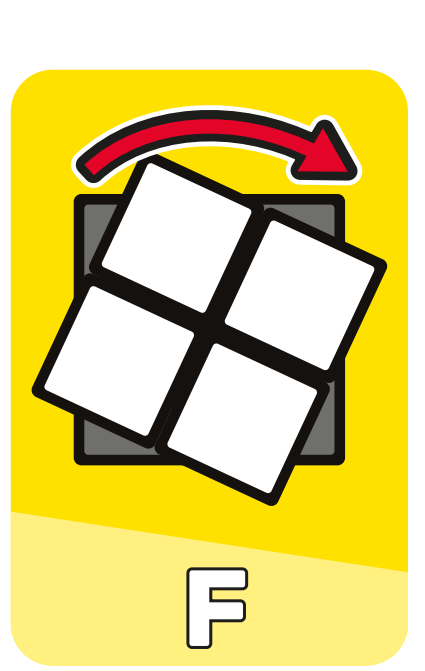
### Diagonal Corners (not touching each other)

CUBE FIVE	CUBE SIX
 FRONT FACE	 FRONT FACE
 BACK FACE	 BACK FACE

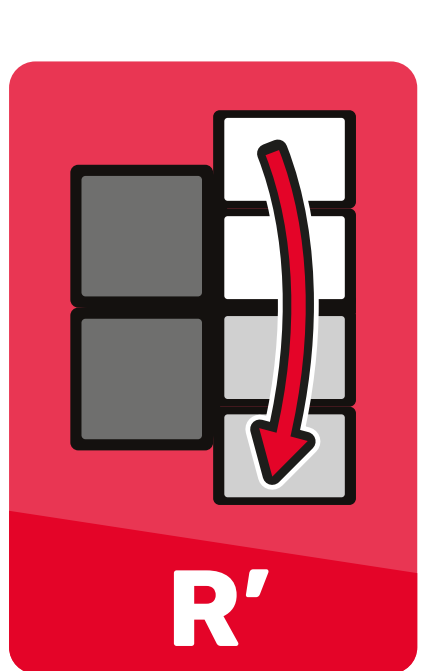
**Action 3** Follow this algorithm.




**R'**



**F**



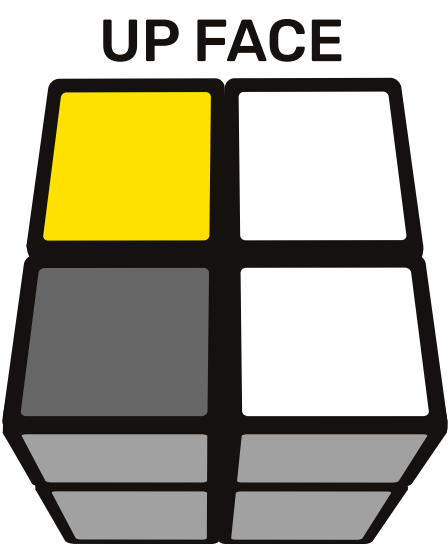
**R'**

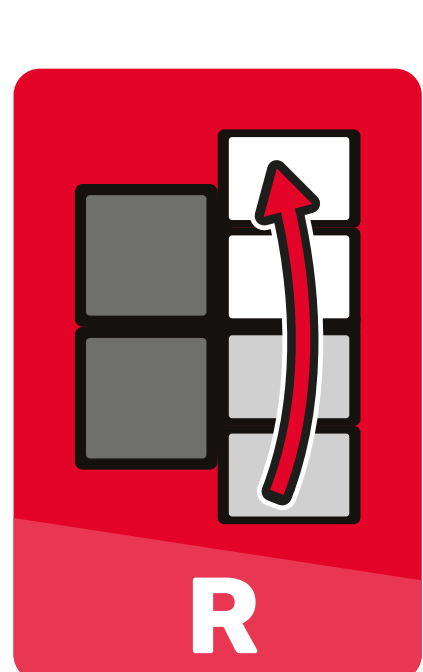


**B2**

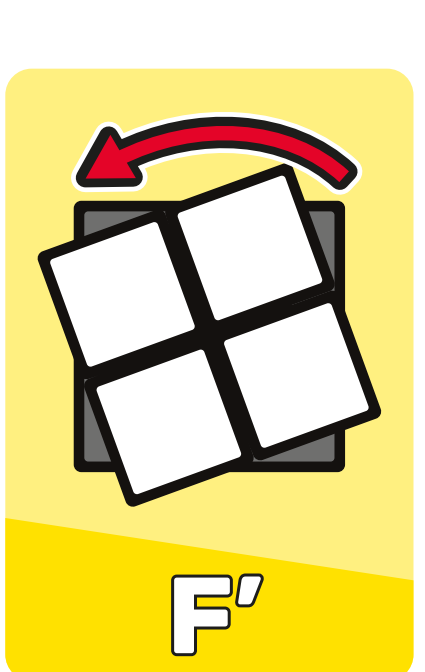
**R'**un to me      **F**ast      **R'**un to me      **B**ack **B**ack

*After you make these turns the top (U) of your Rubik's Mini will look like this;*

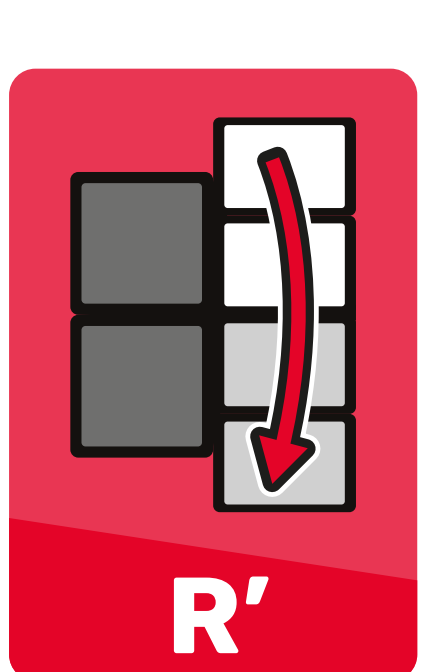





**R**



**F'**



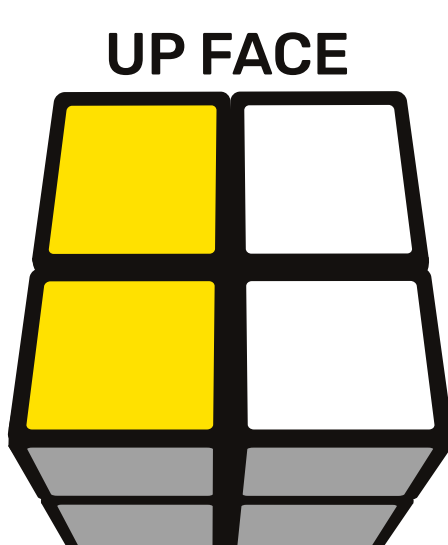
**R'**

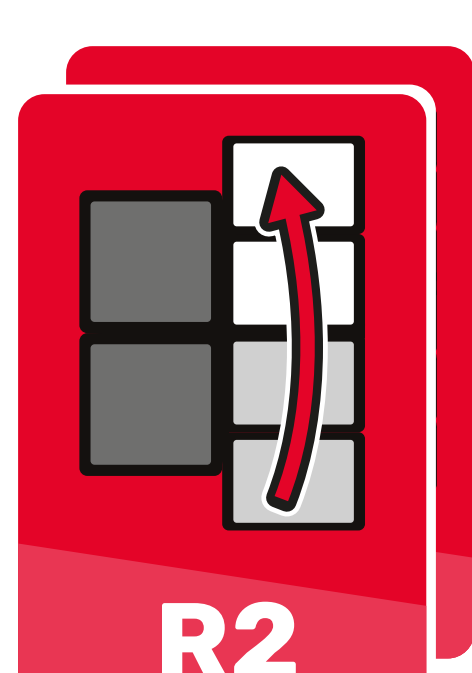


**B2**


**R**un away      **F'**ast      **R'**un to me      **B**ack **B**ack

*After you make these turns, the top (U) of your Rubik's Mini will look like this;*






**R2**



**U'**

**R**un **R**un away      **U'**p



**CHANT**

The words underneath the turns are a chant to help you remember the algorithm.

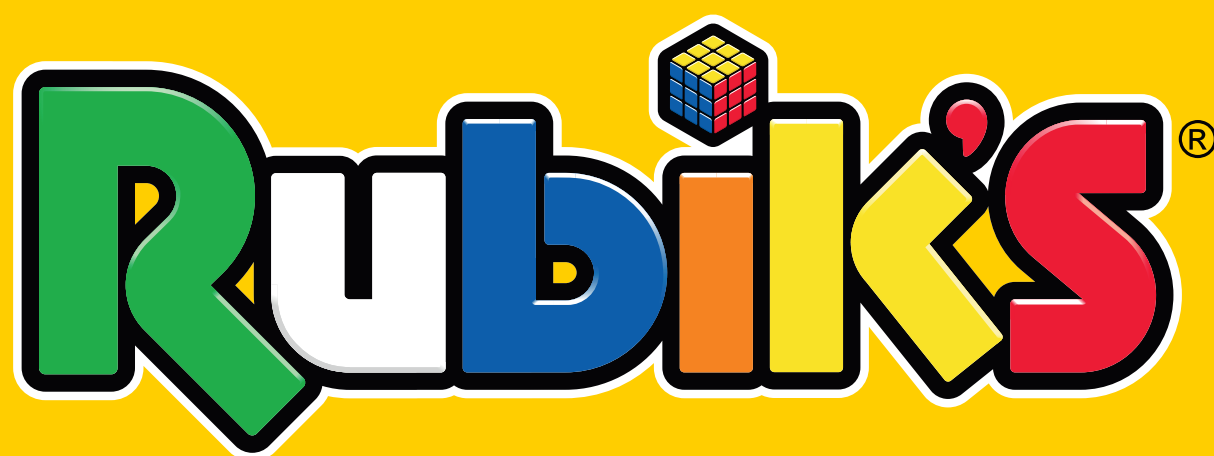
**Action 4** If your Rubik's Mini is not solved, you need to repeat **Actions 1-3**.





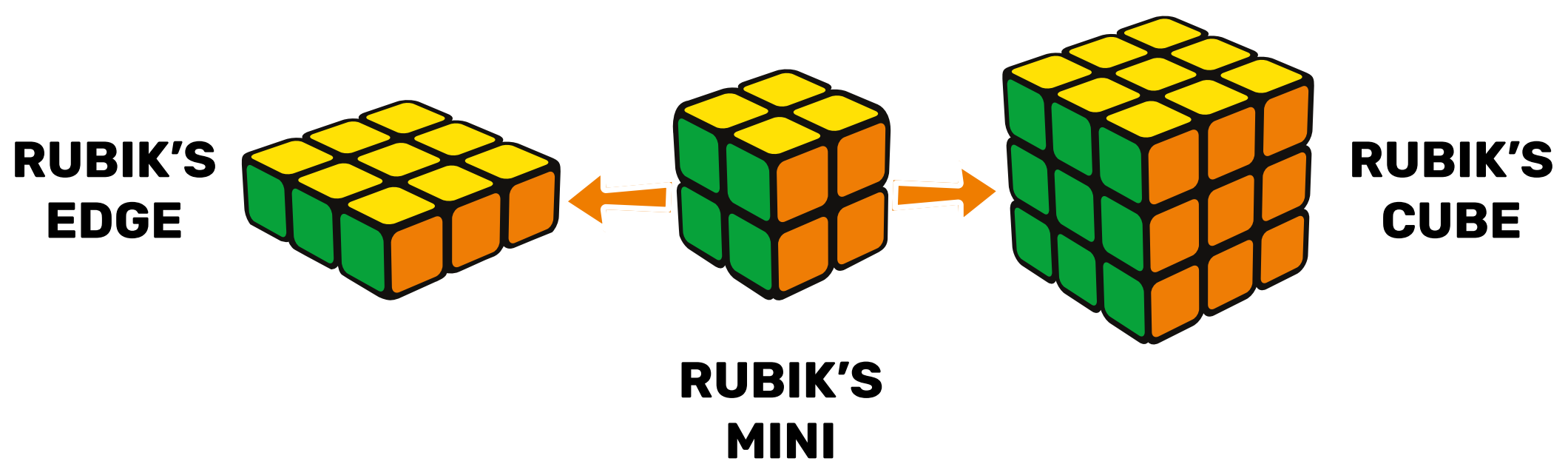
# CONGRATULATIONS!

You have solved the Rubik's Mini!

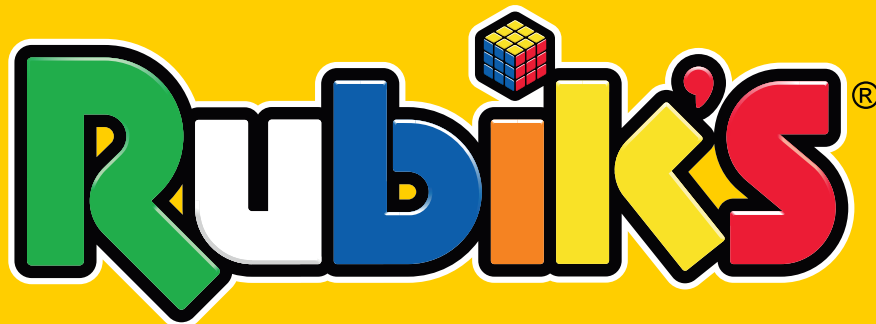




# TRY A DIFFERENT CHALLENGE



Available at: **RUBIKS.COM**



**More resources available on Rubiks.com**

Including videos for each stage

[www.rubiks.com/solve-it](http://www.rubiks.com/solve-it)



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