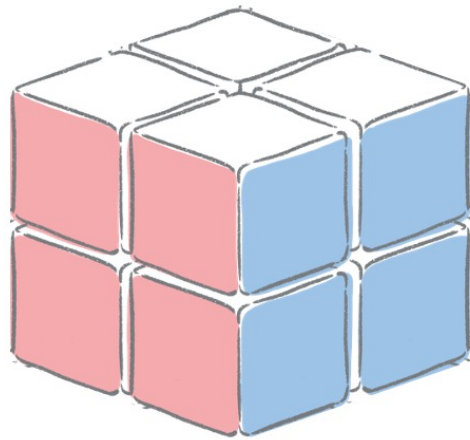
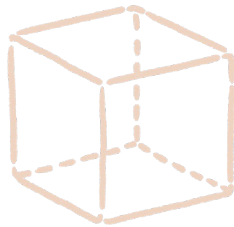


# THE 2x2 CUBE FOR CHILDREN



# PART 1

GETTING TO KNOW  
YOUR CUBE



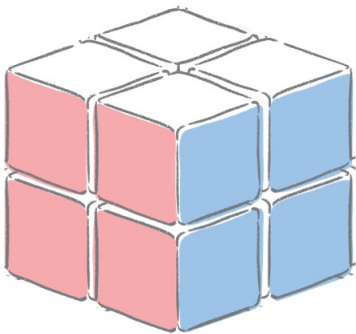


# THE 2X2 METHOD

The 2x2 cube has **6** faces...

When the cube is solved, each face is just **ONE** colour

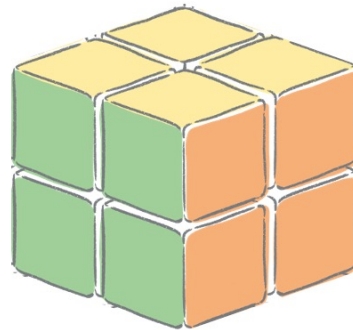
**WHITE**



**RED**

**BLUE**

**YELLOW**



**GREEN**

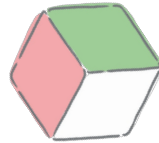
**ORANGE**

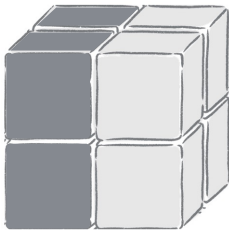


# THE 2X2 METHOD

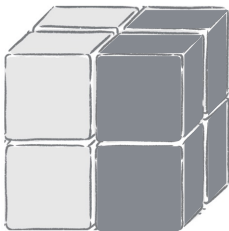
It is made of **8** pieces, each with **3** colours...

Each **PIECE**  
of the cube is  
**UNIQUE**

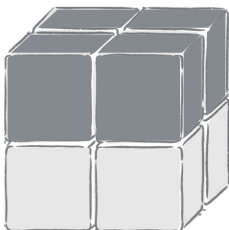




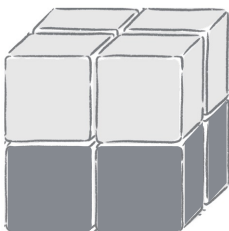
LEFT



RIGHT



TOP

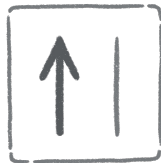
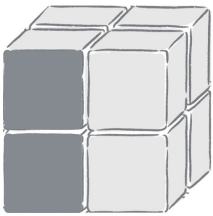
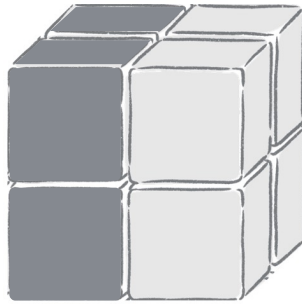


BOTTOM

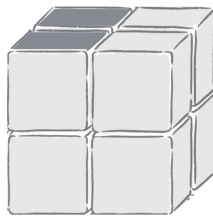
The 2x2 cube is made of **LAYERS** that we will rotate to **MOVE** the pieces around

Let's learn some **MOVES**...

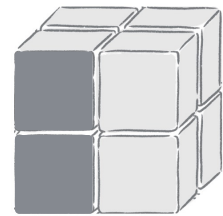
Rotate the **LEFT** layer



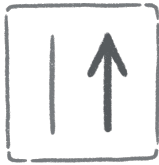
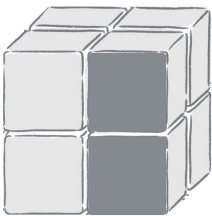
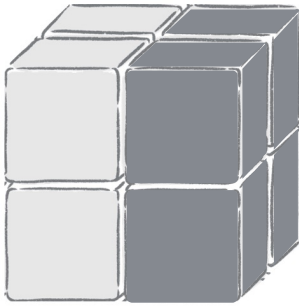
UP



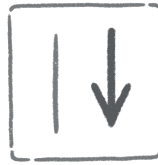
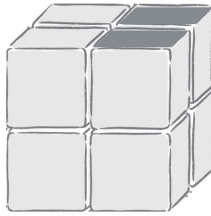
DOWN



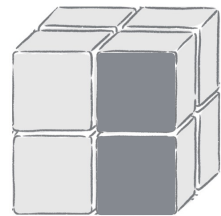
Rotate the **RIGHT** layer



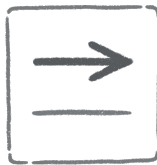
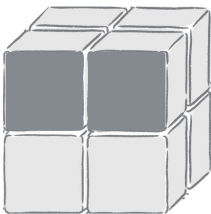
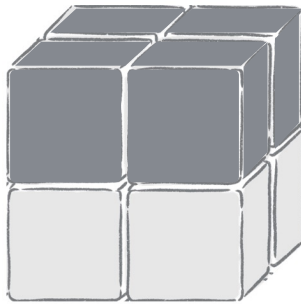
UP



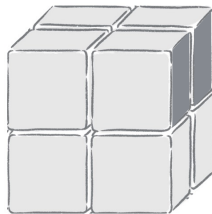
DOWN



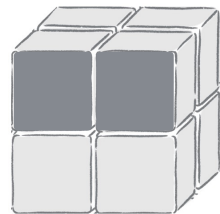
Rotate the **TOP** layer



RIGHT

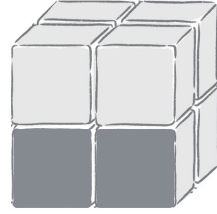
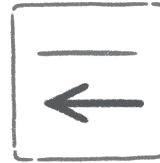
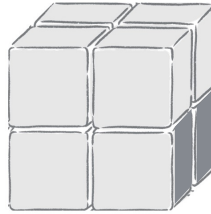
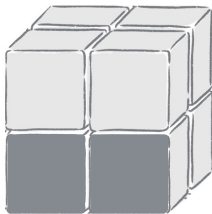
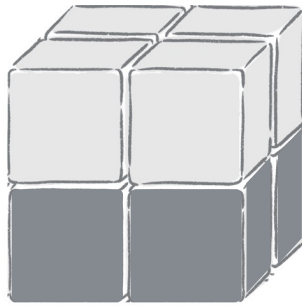


LEFT





Rotate the **BOTTOM** layer

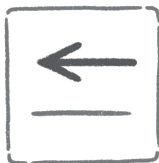
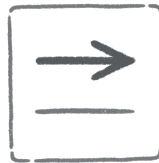
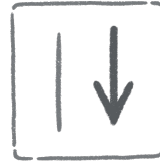
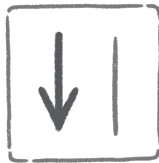
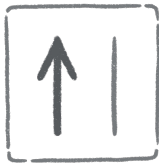


RIGHT

LEFT

Well done! You now know the **8 MOVES** needed to solve the 2x2 cube.

Keep practising...



Remember to look  
at the cube from  
the **FRONT**

A **SEQUENCE** is a series of **MOVES**.

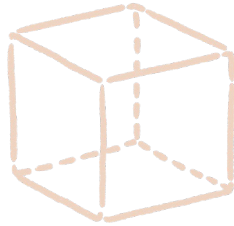
Give this one a try:



Remember to look at  
the cube from the  
**FRONT** and try to  
hold the cube  
**STILL**

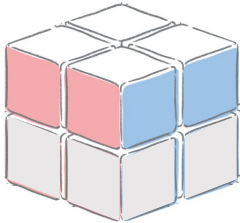
# PART 2

LEARNING THE  
METHOD



We will solve the 2x2 cube through **THREE** chapters:

1

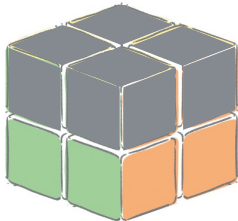


Solve the white layer



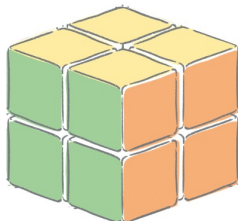
*We will turn the cube upside-down here!*

2



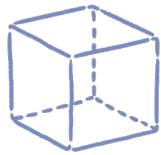
Position the yellow corners

3



Solve the yellow corners

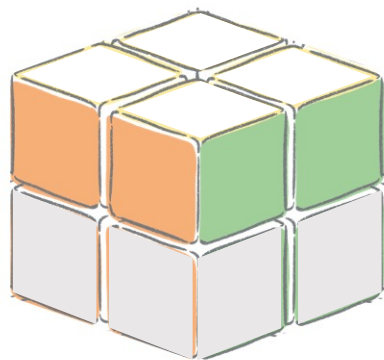
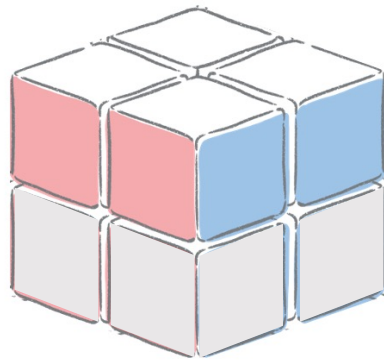
# CHAPTER 1



SOLVE THE WHITE  
LAYER

## SUMMARY OF CHAPTER 1

In this chapter we will create a **WHITE FACE** with colourful edges, like this:

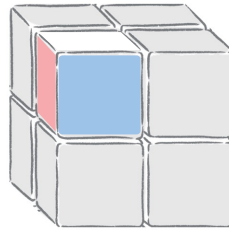


## STEP 1

Find the **BLUE**, **RED** and **WHITE** piece:



Hold your cube so it looks like this:



Keep the **WHITE** side of this piece facing **UPWARDS** for this chapter.

Go to **STEP 2**

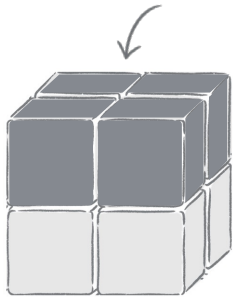


## STEP 2

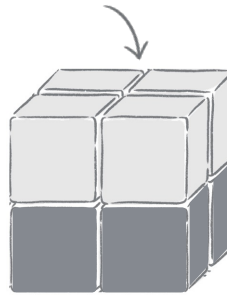
Now find the **BLUE**, **ORANGE** and **WHITE** piece:



Is your piece in the **TOP** layer or the **BOTTOM** layer?

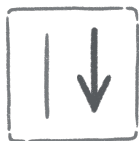
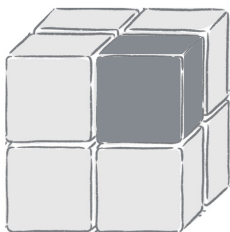


We need to move your piece to the bottom layer.



Great! Go to **STEP 3**

Hold your cube so your piece is here and do this **SEQUENCE**:



Well done! Find your piece in the bottom layer and go to **STEP 3**

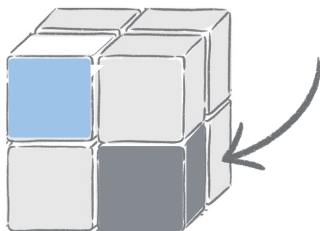
STEP 1 2 3 4 5 6 7

It doesn't matter which way around the colours are on the piece for now

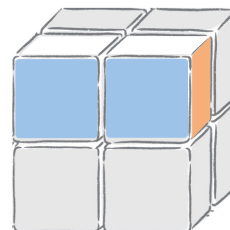
## STEP 3

Now **ROTATE** the **BOTTOM** layer to move your piece to here..

This is the **BLUE, RED** and **WHITE** piece



Next, **REPEAT** this **SEQUENCE** until your cube looks like this:

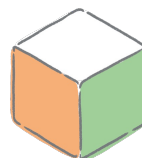


Be patient, this can take a few goes...up to 5!

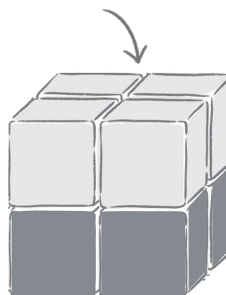
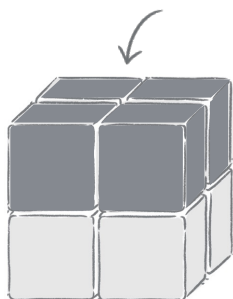
Well done! Go to **STEP 4**

## STEP 4

Now find the **ORANGE**, **GREEN** and **WHITE** piece:



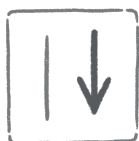
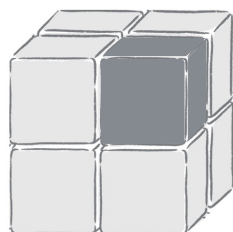
Is your piece in the **TOP** layer or the **BOTTOM** layer?



We need to move your piece to the bottom layer.

Great! Go to **STEP 5**

Hold your cube so your piece is here and do this **SEQUENCE**:



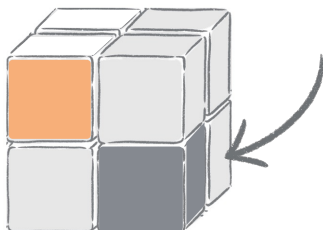
Well done! Find your piece in the bottom layer and go to **STEP 5**

It doesn't matter which way around the colours are on the piece for now

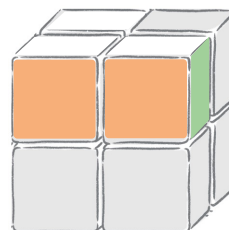
## STEP 5

Now **ROTATE** the **BOTTOM** layer to move your piece to here..

This is the **BLUE, ORANGE and WHITE** piece



Next, **REPEAT** this **SEQUENCE** until your cube looks like this:

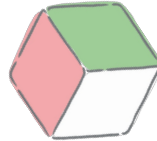


Be patient, this can take a few goes...up to 5!

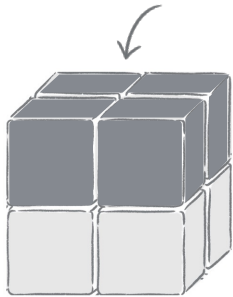
Well done! Go to **STEP 6**

## STEP 6

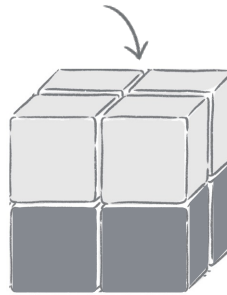
Now find the **GREEN**, **RED** and **WHITE** piece:



Is your piece in the **TOP** layer or the **BOTTOM** layer?

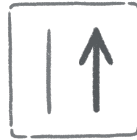
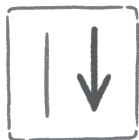
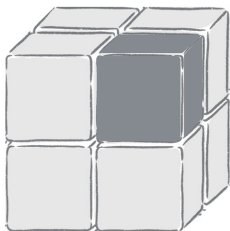


We need to move your piece to the bottom layer.



Great! Go to **STEP 7**

Hold your cube so your piece is here and do this **SEQUENCE**:



Well done! Find your piece in the bottom

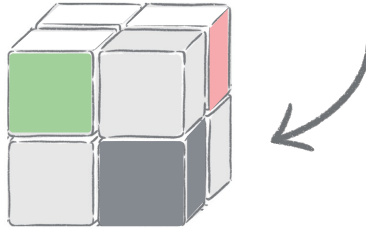
layer and go to **STEP 7**

STEP 1 2 3 4 5 6 7

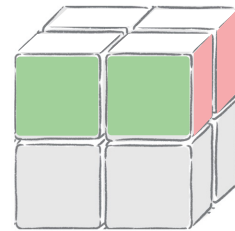
It doesn't matter which way around the colours are on the piece for now

## STEP 7

Now **ROTATE** the **BOTTOM** layer to move your piece to here...

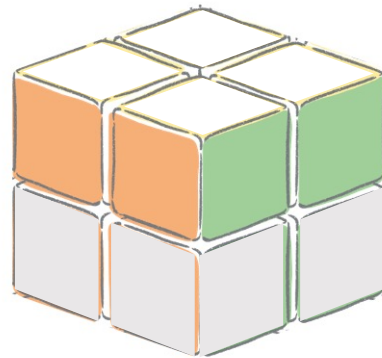
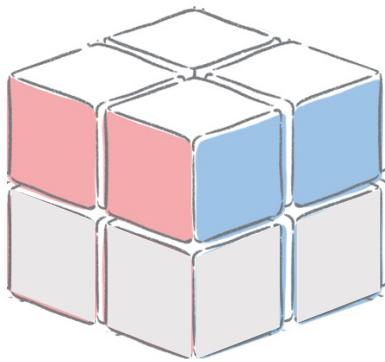


Next, **REPEAT** this **SEQUENCE** until your cube looks like this:

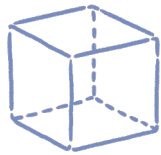


Be patient, this can take a few goes...up to 5!

Well done, you've completed  
Chapter 1 and solved the 1<sup>st</sup> layer!



# CHAPTER 2



POSITION THE  
YELLOW CORNERS

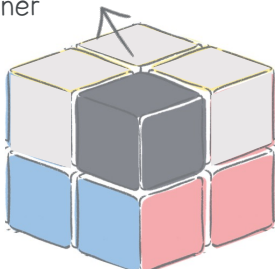


## SUMMARY OF CHAPTER 2

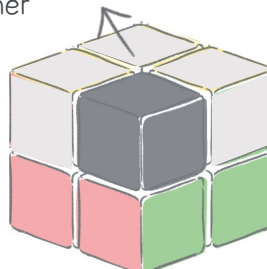
Turn the cube **UPSIDE-DOWN** so that **WHITE** is facing **DOWNWARDS**.

In this chapter we will move the **4 YELLOW CORNER** pieces in the top (unsolved) layer into the correct corners of the cube like this:

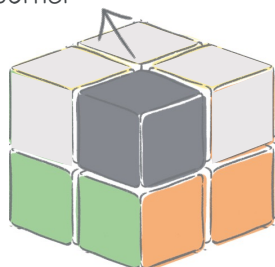
**BLUE** and **RED**  
corner



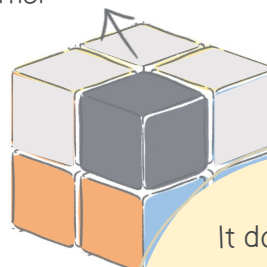
**RED** and **GREEN**  
corner



**GREEN** and **ORANGE**  
corner



**ORANGE** and **BLUE**  
corner



It doesn't matter yet which way around the colours are on the corner pieces



# THE 2X2 METHOD

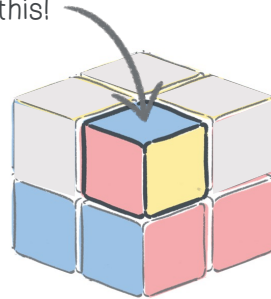
Remember – it must be **ONE** correct corner and **3** incorrect corners for this to work!

## STEP 1

**ROTATE** the **TOP** layer of the cube so that **ONE** of the corner pieces is in the correct place, for example:

The yellow, **BLUE** and **RED** **PIECE** is between...  
...the **BLUE** and **RED** **FACES**

Like this!



OR

The yellow, **RED** and **GREEN** **PIECE** is between...  
...the **RED** and **GREEN** **FACES**

OR

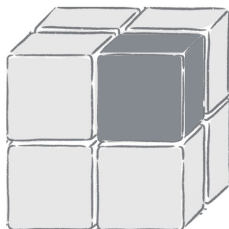
The yellow, **GREEN** and **ORANGE** **PIECE** is between...  
...the **GREEN** and **ORANGE** **FACES**

OR

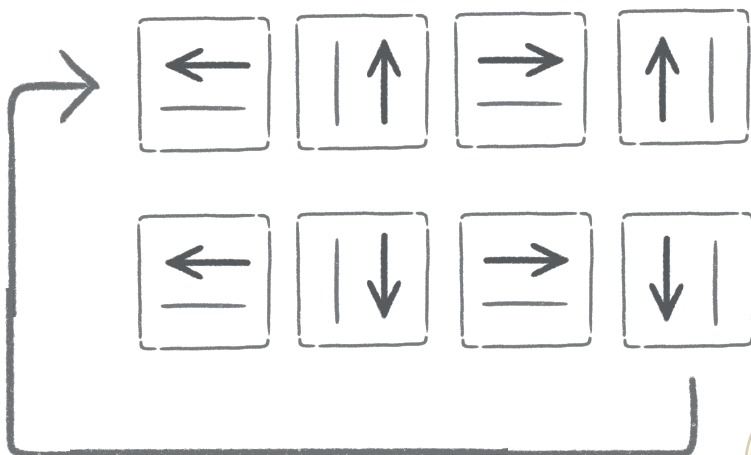
The yellow, **ORANGE** and **BLUE** **PIECE** is between...  
...the **ORANGE** and **BLUE** **FACES**

## STEP 2

Hold your cube like this:

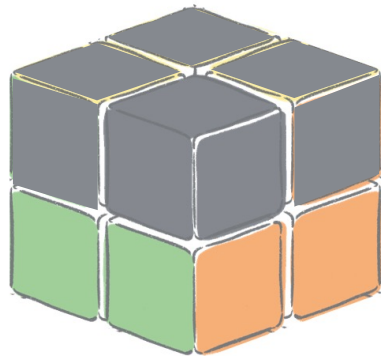
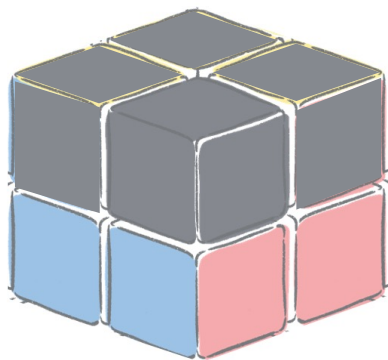


...and **REPEAT** this sequence until **ALL 4** corners are in the right places:

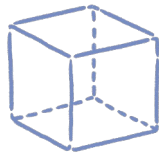


Remember – it doesn't matter which way around the colours are on the pieces for this step

Well done, you've completed  
Chapter 2 and positioned the yellow  
corners!



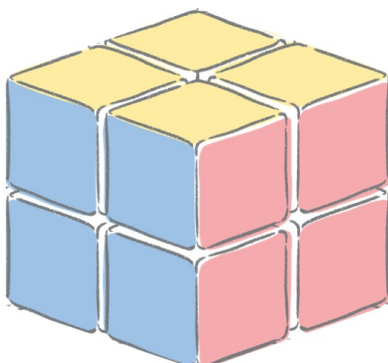
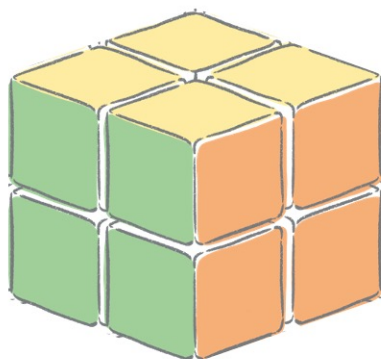
# CHAPTER 3



SOLVE THE  
YELLOW CORNERS

## SUMMARY OF CHAPTER 3

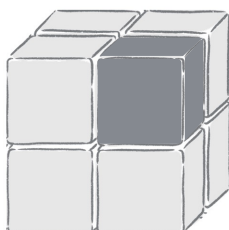
In this chapter we will solve the cube by rotating each corner piece so that the **YELLOW** sides are facing **UPWARDS**. At the end of this chapter, your cube will look like this:



## STEP 1

Choose a corner that **doesn't have yellow facing upwards**.

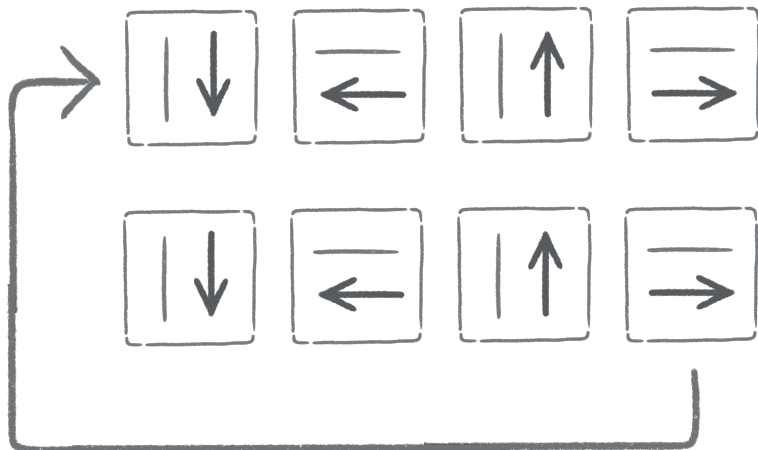
Hold your cube like this:



One that we need to solve!

Don't worry that this mixes up the rest of the cube!

**REPEAT** this sequence until **YELLOW** is facing **UPWARDS**.



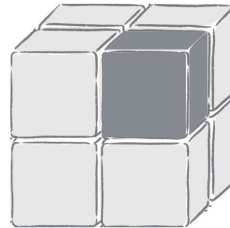
Is **YELLOW** facing upwards?

**NO** - repeat the sequence!

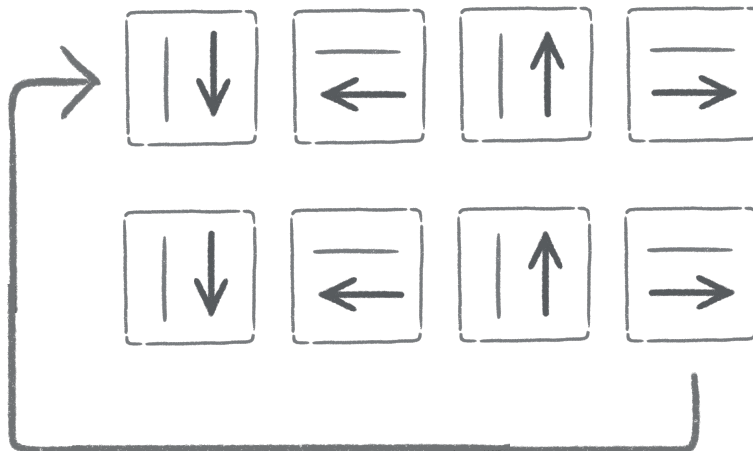
**YES** - hold your cube still and go to **STEP 2**

## STEP 2

Keep holding your cube still, and **ROTATE** just the **TOP** layer to move another corner that we need to solve into this position:



**REPEAT** this sequence until **YELLOW** is facing **UPWARDS**.



Is **YELLOW** facing upwards?

**NO** - repeat the sequence!

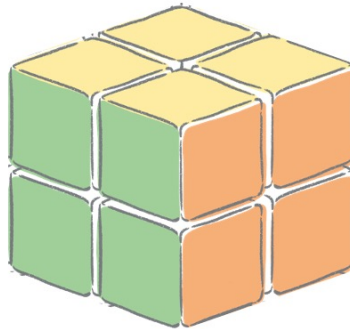
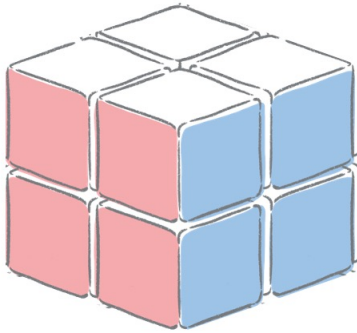
Repeat this step until **ALL 4** corners have yellow facing upwards!

Go to **STEP 3**



## STEP 3

**ROTATE** the **TOP** layer solve the cube!



# HOORAY!

Great job,  
you've solved the 2x2 cube!

