



The Anatomy of a Rubik's Cube



How many sides are there?

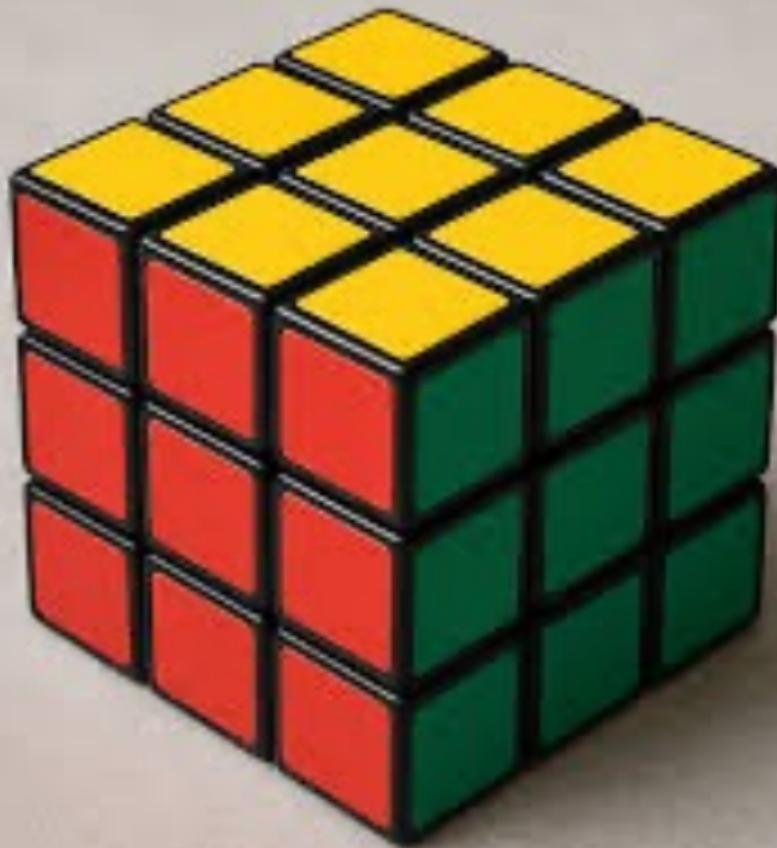
Their pieces are locked in the centerpieces are 6 centimeters tall.

Let's name the 6 sides. R, I, U, D, F, B

- You can rotate each of the 6 sides either clockwise or counterclockwise (based on the eyes that look directly at that side)

clockwise rotation: R, I, J, D, F, B

counter-clockwise rotation. R'J'F'B' is D'J'F'R' counter-clockwise rotation.



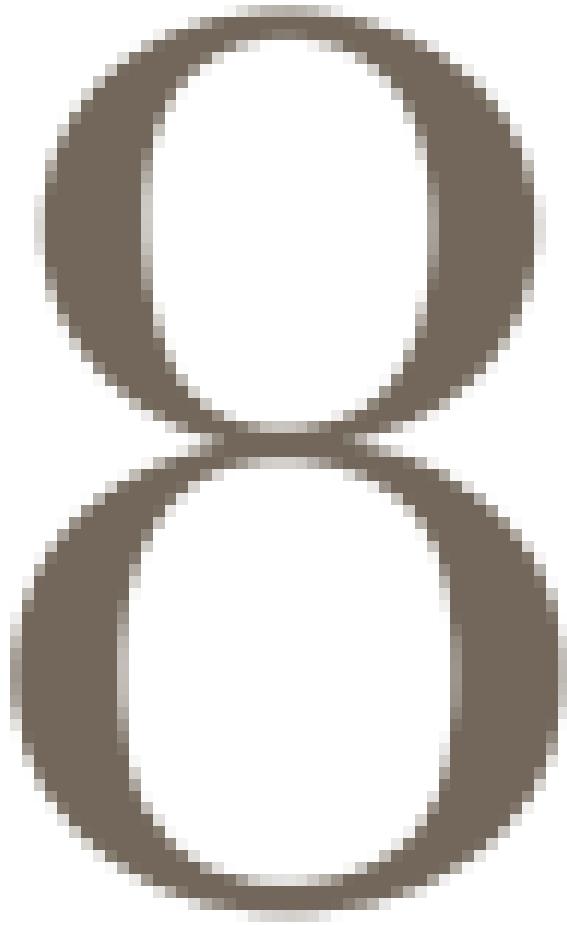
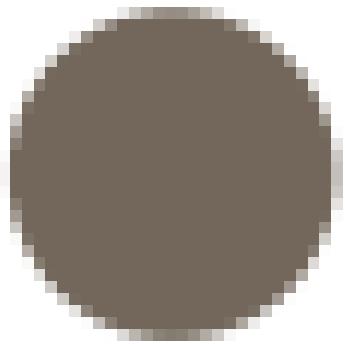


How many pieces are there in the cube?

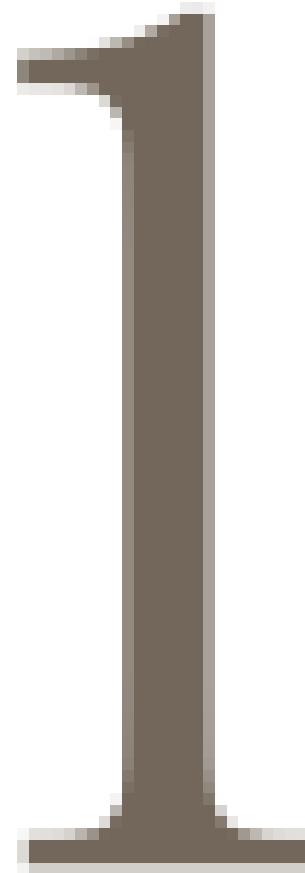
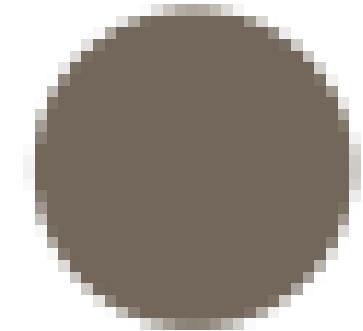
26 (top layer: 9, bottom layer: 9, middle layer: 8)

1990s: **interpiece**

...processes. In order to increase the  
efficiency of the process, it is important  
to understand the different types of  
processes and how they can be used  
to achieve specific goals. One way to  
do this is by examining the different  
stages of the process and how they  
interact with each other. This can help  
to identify areas where improvements  
can be made and to develop more  
efficient processes. Another way to  
improve processes is by using  
technology to automate certain  
tasks. This can help to reduce  
the time and effort required to  
complete tasks, which can lead  
to increased efficiency and productivity.  
Overall, understanding and improving  
processes is crucial for success in  
any field.



10 pieces.



# Sides





# The Anatomy of a Rubik's cube



## Sides

- How many sides are there?
- The 6 centerpieces are locked in their places
- Let's name the 6 sides: R, L, U, D, F, B
- You can rotate each of the 6 sides either clockwise or counterclockwise (based on the eyes that look directly at that side)
- Clockwise rotation: R, L, U, D, F, B
- Counterclockwise rotation: R', L', U', D', F', B'

## Pieces

- How many pieces are there in the cube?
- 26 (top layer: 9, bottom layer: 9, middle layer: 8)
- Centerpieces: 6
- Corner pieces:
  - 8
- Edge pieces:
  - 12

# Tinker a bit with your cube



Don't scramble your cube yet

- Practice these moves: R, L, U, D, F, B and their twins R', L', U', D', F', B'
- But only 1 move at a time, and undo it immediately so that your cube remains solved the whole time
- Always hold the cube this way so you don't get disoriented:
  - Yellow centerpiece faces up and white centerpiece faces down
- And try to remember which centerpiece is facing you
- Notice how the centerpiece never moves?