

Rubik's Cube turns 50

Ernő Rubik, its creator, turns 80

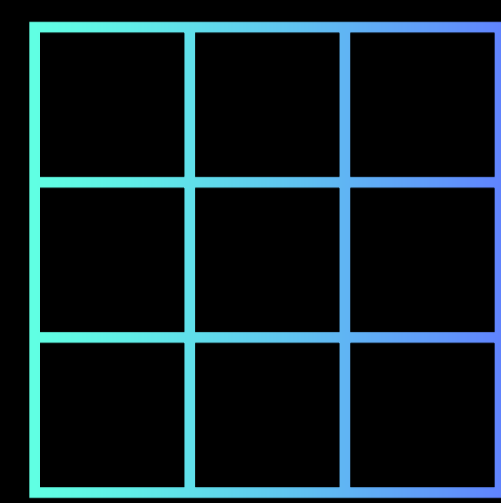



1974



Develops:

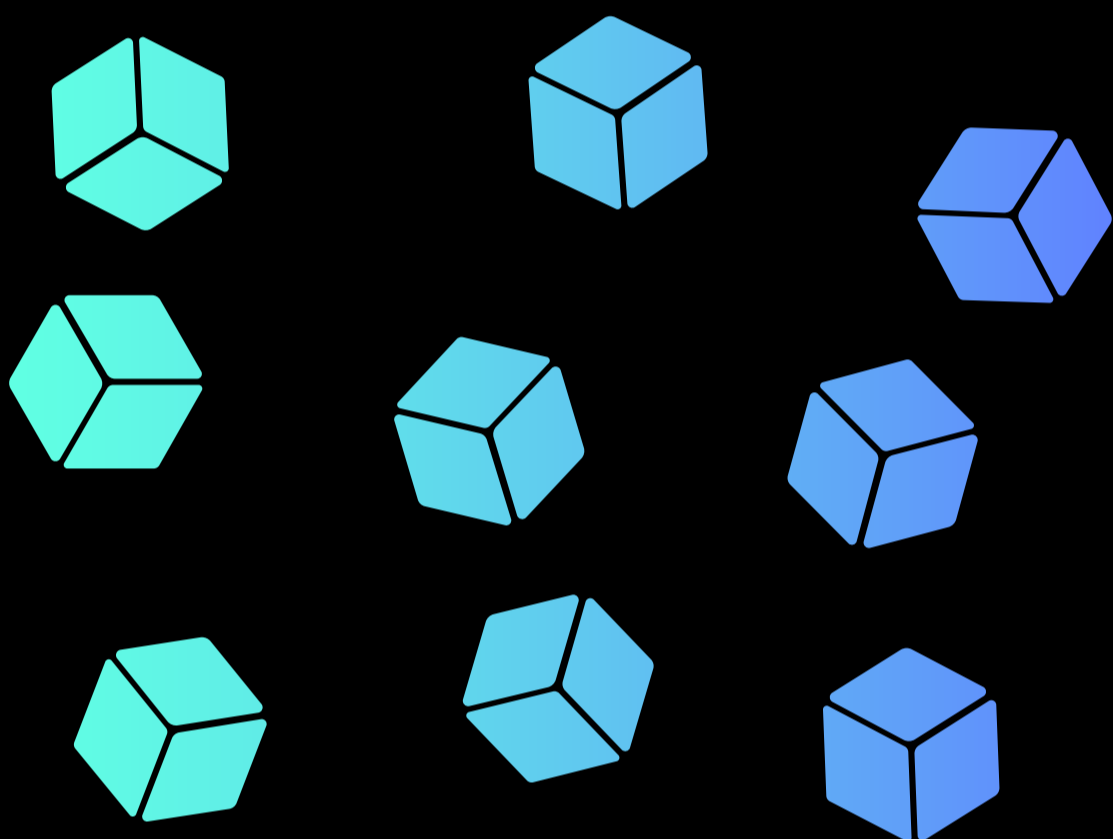
- logic
- analytical thinking
- spatial orientation
- visual memory



- Six basic colours. 
- More than **43 quintillion** starting positions.
- Rubik's Cube can be solved in up to **20** moves (according to the latest scientific calculations).
- The total number of 20-step starting positions is about **300 million**.
- The **18**-step starting position has the most variations.

Source: cube20.org.

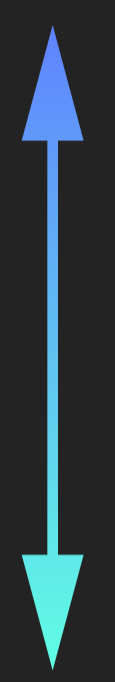
400 million
Rubik's cubes
sold



You Can Do the Cube
tutorial

Over **1.5 million**
copies sold

The world's **largest** working Rubik's cube has a 3 metre edge length and was exhibited at the Dubai Knowledge Park on 13 December 2023 in the United Arab Emirates.



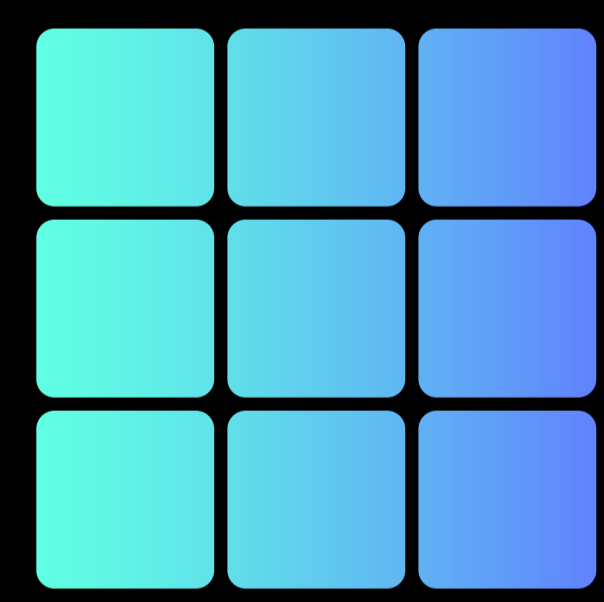
3 metres

5.6 mm

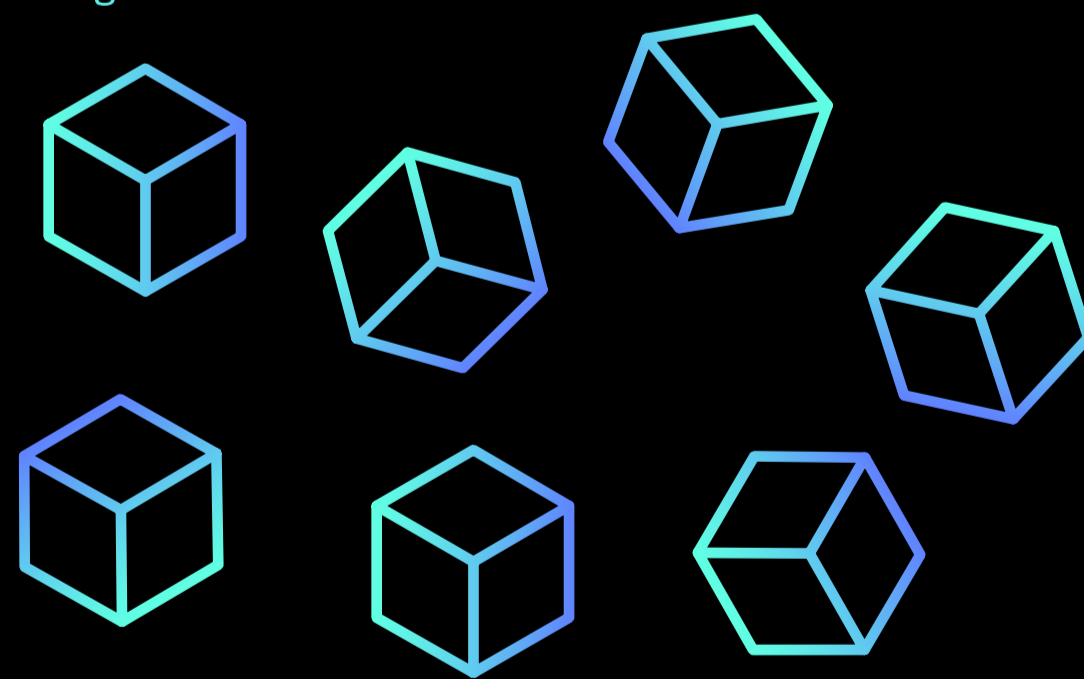


The world's **smallest** working Rubik's cube, with an edge length of 5.6 mm, was created by Tony Fisher. Despite its small size, it works like a normal Rubik's cube with tweezers and was made with a 3D printer on 7 June 2010.

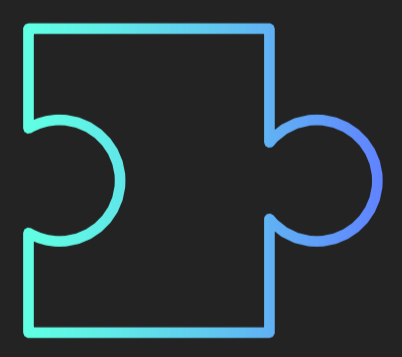
The **most expensive** Rubik's Cube, the Masterpiece Cube, was built in 1995 by Diamond Cutters International. The cube, made of 18 carat **gold**, was set with 185 carats of **diamonds, sapphires, emeralds, amethysts** and **rubies**. It is estimated to be worth **\$2.5 million**.



Source: guinnessworldrecords.com.



In 2022, no Rubik's cubes were produced in **Hungary**, but **237 thousand** other logic toys were.



Source: ksh.hu.



Munich, 1981
First Rubik's cube
puzzle competition



38.00
seconds

Budapest, 1982
First World
Championship

22.95
seconds

Incheon, 2023
XII World
Championship

5.31
seconds



2024

World leader:
Max Park

3.13
seconds

Mitsubishi
Electric **robot**

0.305
seconds

Source: worldcubeassociation.org/results/rankings/333/single.