



# ARITHMEUM

A hidden gem in Bonn

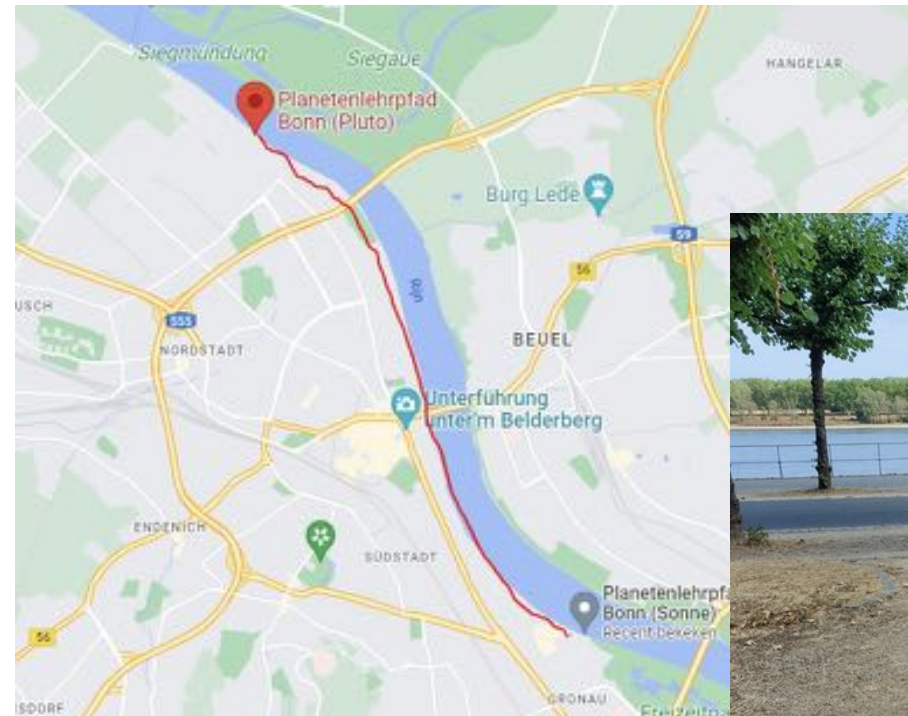
# WHAT I KNEW

- Bonn is cheaper to stay in than Cologne



# WHAT I DISCOVERED

- In Bonn...
- Pluto is still a planet!





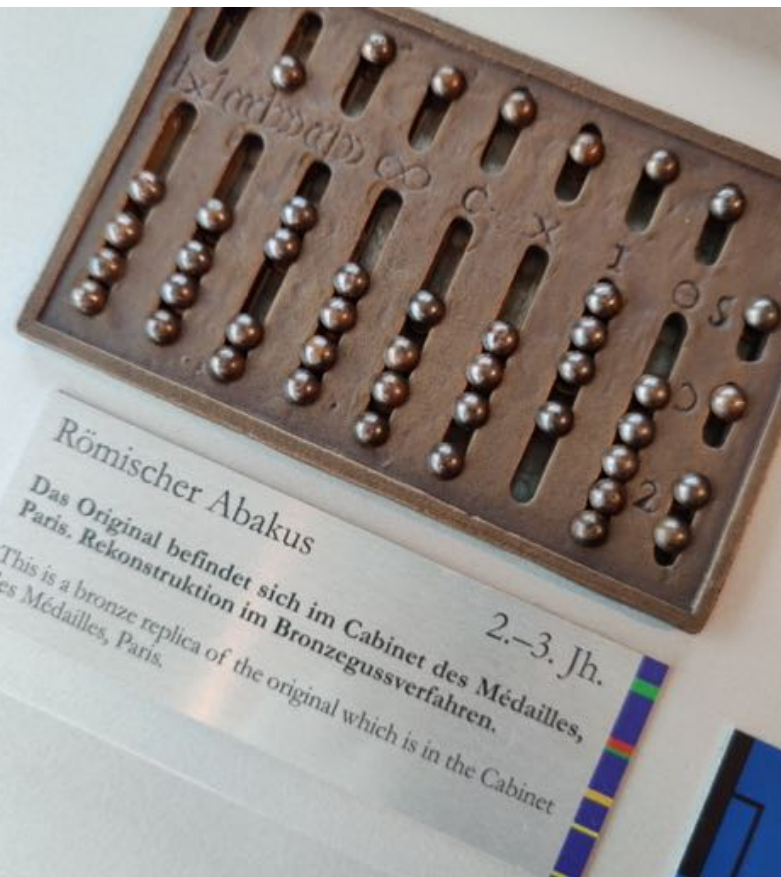
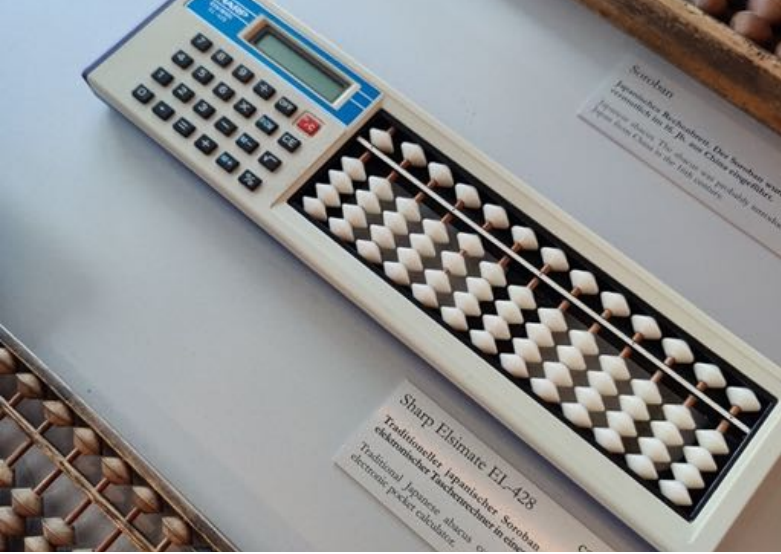
# THE BEST BIT

Arithmeum!





- For **€3** you can learn about the development of mechanical calculating, from tablets and abaci to designing microprocessors.
- Geometric art
- Beautiful old calculating machines
- Even better, you can use some of the machines!

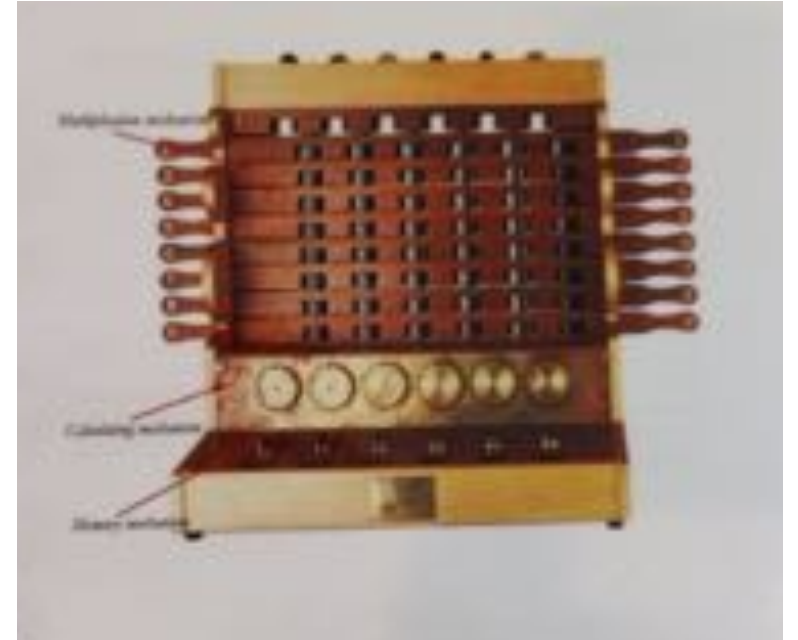


# POCKET CALCULATORS



# SCHICKARD'S CALCULATING MACHINE (1623)

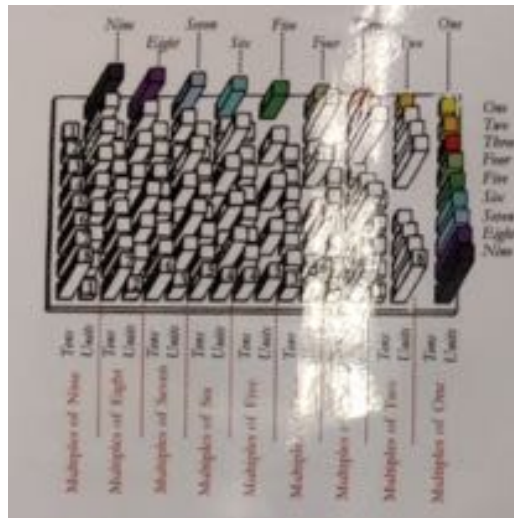
- $+$   $-$   $\times$   $\div$
- Three mechanisms:
  - Multiplication
  - Calculating
  - Memory
- “calculators” are not always faster than by hand!



# INTO THE 20TH CENTURY

Here you can try out some more modern calculators

- Triumphator (pinwheels)
- The Millionaire (9 x 9 multiplication block)





# OTHER BEAUTIFUL MACHINES





# TIPS

- There's no café
- There are free lockers
- Remember to wear the gloves
- There is a lot of information on cards near each exhibit
- Make use of the artistic chairs to read all the info!

# LINKS

**ARITHMEUM**  
rechnen einst und heute



- <https://www.arithmeum.uni-bonn.de/en/arithmeum/museum.html>

- @snowpinga



- More about some of the exhibits:
  - <https://www.jaapsch.net/mechcalc/otisking.htm>
  - [https://en.wikipedia.org/wiki/Wilhelm\\_Schickard](https://en.wikipedia.org/wiki/Wilhelm_Schickard)
  - [https://en.wikipedia.org/wiki/The\\_Millionaire\\_\(calculator\)](https://en.wikipedia.org/wiki/The_Millionaire_(calculator))
  - <https://www.jaapsch.net/mechcalc/triumphator.htm>