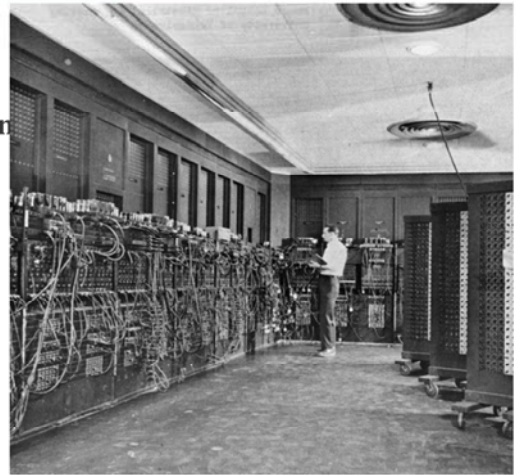


Aim: What defines a computer?

- The first electronic computer, ENIAC, was created about 70 years ago in the 1940s
- It was able to perform multiplication, division, addition, subtraction, and square root operations
- It was the size of a two-car garage and weighed approximately 27 tons.
- Since ENIAC, computers have gotten smaller, faster, cheaper, and more complex .
- Because the computer changes so rapidly, it is interesting to consider what exactly makes a computer a computer.



ENIAC

Does a computer have to look like modern-day desktop or laptop computers, or can it be something else?

What other things can perform computations?

What counts as a computation?

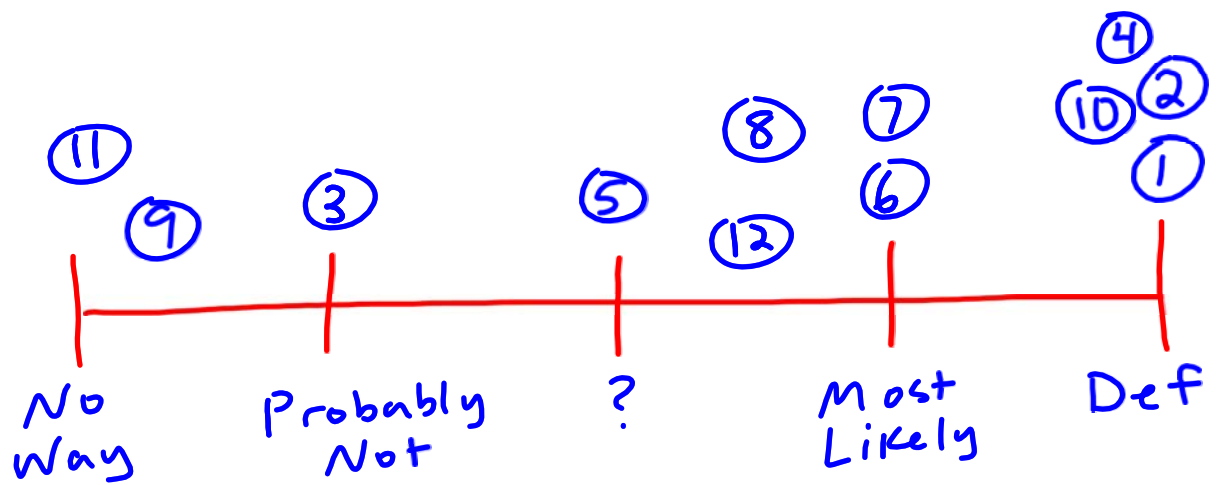


how computers work -code.org



Objects Around You that are a Computer:

- Smart Board
- Printer
- Air Conditioner
- Fire Alarm
- Headphones
- Laptop
- Pencil Sharpener
- Telephone
- Monitor
- Air Conditioner Remote
- New Fancy hopefully
coming soon clock



Aim: What defines a computer?



For each of these items, decide *if it's a computer...*



☒ 22 Computer
☐ 0 Not a computer



☒ 22 Computer
☐ 0 Not a computer



flower

☐ 7 Computer
☒ 15 Not a computer



brain

☒ 10 Computer
☐ 12 Not a computer



abacus

☐ 5 Computer
☒ 17 Not a computer



mirror

☐ Computer
☒ Not a computer

no processing

? does a reflection count as processing?
no storage