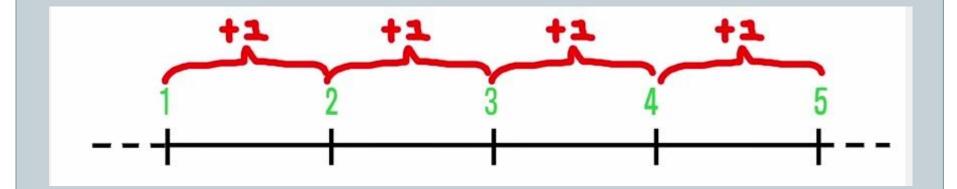
# Numeration

WHY DO WE COUNT ADDITIVE?

## The biggest number

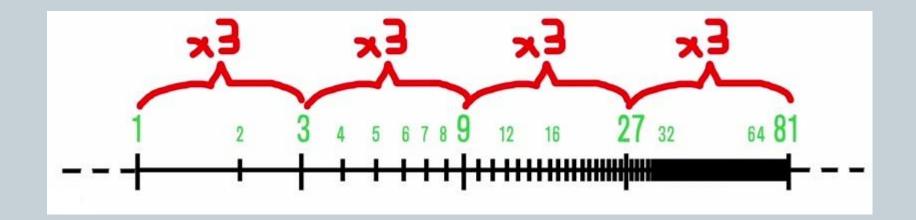
- One breath Mike Smith, 125
- Jeremy Harper, September 2007, one million
- 1 000 000 seconds ~ 11 days

## Additive counting



Бондарь Михаил 324 гр

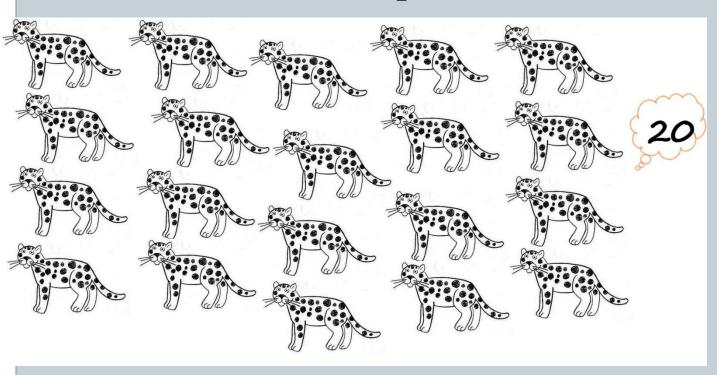
## Logarithmic counting



Бондарь Михаил 324 гр

#### Senses

Our senses are multiplicative

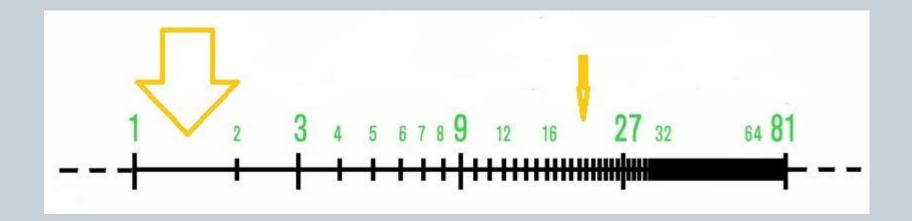




Бондарь Михаил 324 гр 22.09.2015

### Acceleration

Life speed up as we get older



Бондарь Михаил 324 гр

### Additive side

- Psychophysics of price paradox
- Subatizing (<5)</li>
- Approximate number system (>=5) ~ 15% accuracy

#### Size

#### Planck Length

0.000000000016 yoctometers 1.6 x 10<sup>-35</sup> meters

The planck length (\$\ell\$p) is a unit of length. There is also a planck time, which is the amount of time it takes light to travel one planck length in a vacuum. (Super short!)

Planck Length

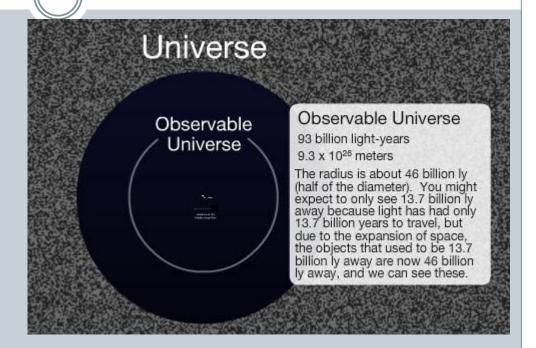
#### Human

1.7 meters

1.7 x 100 meters

I'm going to assume you are a human. I am a human too! Did you know that there are over 7 billion of us? That's a lot. In fact, if you met each person for one second, it would take you about 200 years to meet all of them! Better get started now!

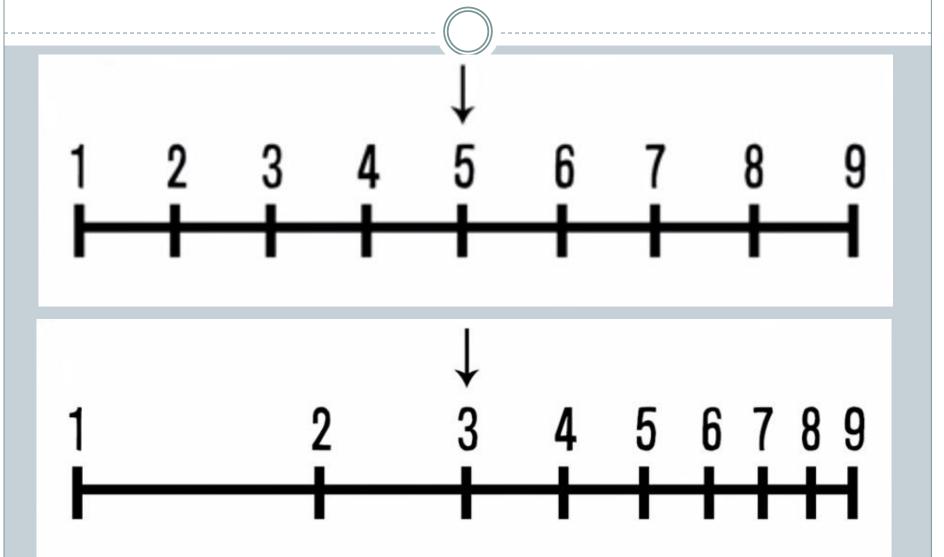




From htwins.net/scale2/

Бондарь Михаил 324 гр 23.09.2015

### What is in the middle?



## Thank you for attention!

Do not hesitate to ask your questions.