ETHEREUM ETHER DENOMINATIONS

• In Ethereum the most often used denominations are **ether** and **wei**.

• A wei is the smallest denomination within the Ethereum system.

• It is like cents to dollars or pennies to pounds.

• One dollar equals 100 cents.

• One ether equals 1.000.000.000.000.000.000 wei (one with 18 zeros or 10^{18})

ETHEREUM ETHER DENOMINATIONS

• Next to ether and wei the following denominations are used:

  • shannon (one shannon equals 10^9 wei). Used for gas prices.

  • szabo (one szabo equals 10^{12} wei)

  • finney (one finney equals 10^{15} wei). Used for micropayment.

• These denominations are confusing for the general public.

ETHEREUM ETHER DENOMINATIONS

- Instead metric prefixes are used, like:

  ```
  Giga      G   10⁹
  Mega      M   10⁶
  kilo      k   10³
  milli     m   10⁻³
  micro     µ   10⁻³
  nano      n   10⁻⁹
  ```

- For example: 20 shannon = 20 Gwei = 20×10^9 wei

ETHEREUM ETHER DENOMINATIONS

ONE ETHER EQUALS 10^{18} WEI