



Converting Between Bases

▼ Class

Computer Science

The part before the decimal point is the **integral** part

The part after the decimal point is the **fractional** part.

Make sure that when you stop dividing, the number is less than the base.

- Make sure which place value you are rounding to.

For *binary*, *quaternary*, *octal*, and *hex*, you can use a shortcut to get the values faster.

- Binary = 2^1
- Quaternary (4) = 2^2
- Octal (8) = 2^3
- Hexadecimal = 2^4

Make subsets of those values and convert to binary.