$!A || (B \&\& !(C || A))$

1.( )

$C || A = R$ $!(C||A)$

$!(C||A)$ $!R = Q$

B	A	C		$C||A$		$!R = Q$
F	F	F		F		$B\&\&Q$
F	F	T		T		F
F	T	F		T		F
F	T	T		T		F
T	F	F		F		T
T	F	T		T		F
T	T	F		T		F
T	T	T		T		F

Variables

Name   Last Name   Middle
                                  Name
                                    Initial

<u>DOB</u>   Age   SSN

Data - <u>Result</u> (Raw)

*Information -

Whole Numbers

1. 4

5   1④

$\frac{⊝5}{\text{signed}}$

$$8 + 4 + 2 + 1 = 15$$

Unsigned

0 101   Binary 5

0000 - 0
0001 - 1
0010 - 2

$(2^3 \cdot 0) + (2^2 \cdot 0)$

$+ (2^1 \cdot 0) + (2^0 \cdot 0)$

$\overline{2^3} \quad \overline{2^2} \quad \overline{2^1} \quad \overline{2^0}$

Signed

0+

(1) 0 0 1

1-

$0 \rightarrow \underline{0}\ 0\ 0\ 0$

$-1 \rightarrow \underline{1\ 0\ 0\ 0}$

$-2 \quad 1\ 0\ 0\ 1$

$1\ 0\ 1\ 0$

$1\ 0\ 1\ 1$

$1\ 1\ 0\ 0$ $1\ 1\ 1\ 0$

$1\ 1\ 0\ 1$ $1\ 1\ 1\ 1$

unsigned

signed

| | | | |
‾ ‾ ‾ ‾

0 to 15

-8 to 7

value

≥ signed | int
Address

Whole num

decimal num

120

0 - 128

-64 to 63
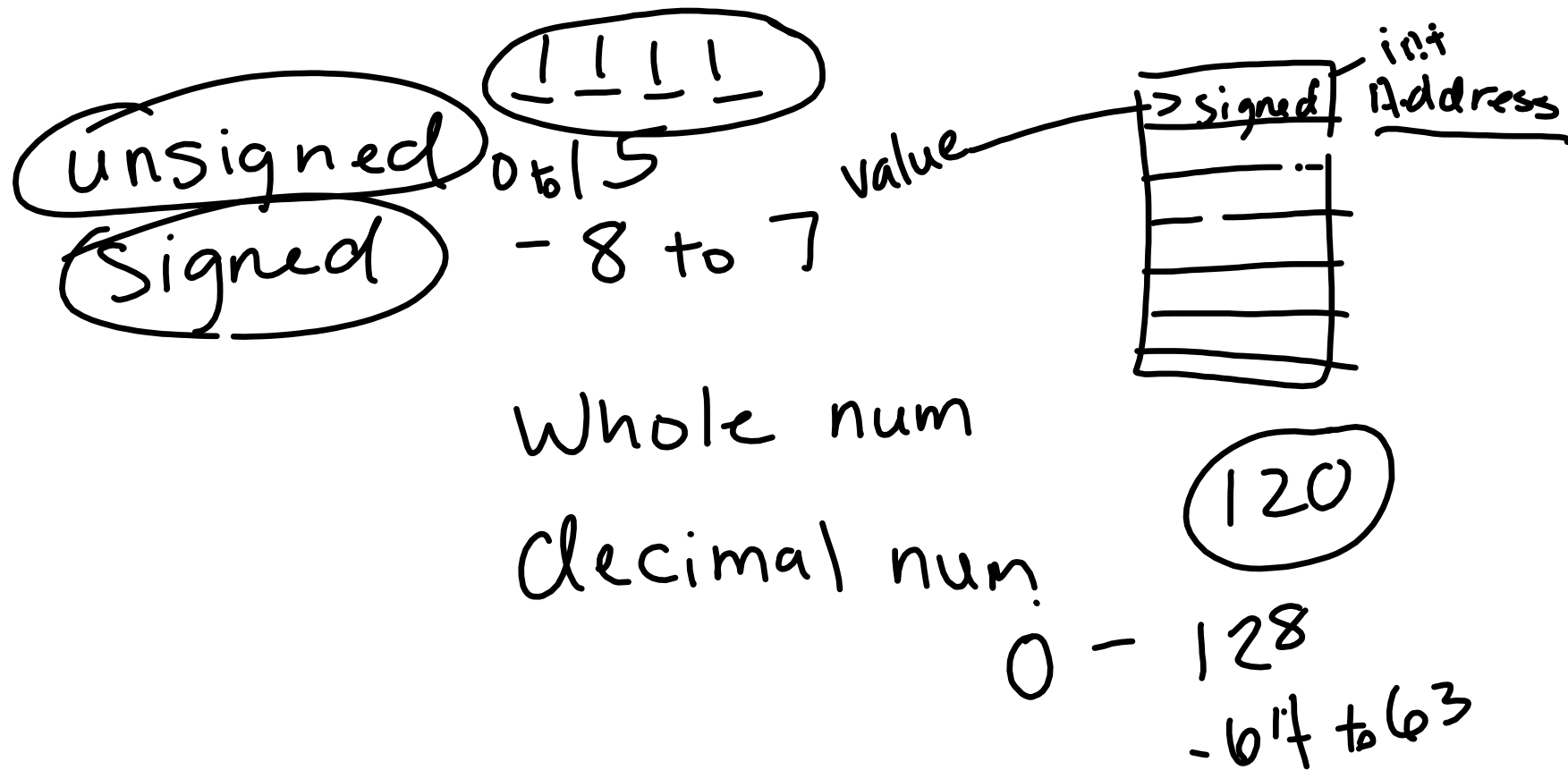
data types

int — whole numbers/Integers

double — decimal

bool — boolean logical T/F

char — character any symbol made

RAM

8 GB

1 TB

64 bits

int #