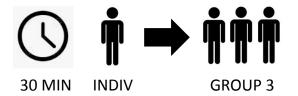
CHAPTER 2

OPERATIONS BINARY



```
3 - 3 12
      20
4 – 4
5 – 5
       40
       55
8 - 8
```





- 1 Individually, search on internet how to:
 - Add 2 binary numbers
 - Add 3 or 4 binary numbers
 - Subtract 2 binary numbers



2 **Share your strategy** with your team



3 Competition





30 MIN

BINARY CODE COMPETITION



A 01111011 B 01101111

c 01111101 D 01101101

A 01111011 B 01101111

° 01111101 • 01101101

A 10010000

B 10001000

c 10000100

A 10010000 B 10001000

c 10000100

01011010 + 01001000

A 10010000

B 10011010

A 10010000 B 10011010



c 10010101 (D) 10100010

A 10100100 B 10010100

c 11000100

(A) 10100100 B 10010100

c 11000100 D 01011110

0000 0111+ 0000 1111+ 0000 1111

- A 1010 1001 B 0010 1111
- c 0011 0101 b 0010 0101

0000 0111+ 0000 1111+ 0000 1111

A 1010 1001 B 0010 1111

c 0011 0101 D 0010 0101

A 0 1 1 0 1 B 1 0 0 0 1

c 0 1 0 0 1 b 1 1 0 0 1

A 0 1 1 0 1 B 1 0 0 0 1

0 1 0 0 1 1 1 0 0 1

- 01010

A 110111

B 101011

c 10111

- 01010

A 110111

B 101011

c 10111

D 10101

A 110011

001011

c 010011

A 110011

B 001011

c 010011

A 00100

B 01000

c 010010

A 00100

01000

c 010010

01110010100011

A 10111

B 01011

c 010110

A 10111

B 01011

c 010110

A 101110

B 011010

c 001110

A 101110

B 011010

c 001110



- ✓ Select a topic
- ✓ Make researches on it.
- ✓ Explain it to others the next time

HOW TO ENCODE NEGATIVE NUMBERS IN BINARY ?

HOW TO
MULTIPLY
2
BINARY NUMBERS ?

HOW TO ENCODE FLOAT NUMBERS IN BINARY?