

Thursday!

2-2-2023

1- Binary = $(10011)_2$

Decimal = 19

1	0	0	1	1
16	8	4	2	1

$$16 + 0 + 0 + 2 + 1 = 19$$

2- Binary = $(10000)_2$

Decimal = 16

1	0	0	0	0
16	8	4	2	1

$$16 + 0 + 0 + 0 + 0 = 16$$

3- Binary = $(101011)_2$

Decimal = 43

1	0	1	0	1	1
32	16	8	4	2	1

1	0	1	0	1	1
32	16	8	4	2	1

$$32 + 0 + 8 + 0 + 2 + 1 = 43$$

4- Binary = $(1111)_2$

Decimal = 15

1	1	1	1
8	4	2	1

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

5- Binary = $(110011)_2$

Decimal = 51

1	1	0	0	1	1
32	16	8	4	2	1

$$32 + 16 + 0 + 0 + 2 + 1 = 51$$

6- Binary = $(11000)_2$

decimal = 24

1	1	0	0	0
16	8	4	2	1

$$16 + 8$$

$$= 24$$