

0101110101 **Binary** 011101010011

1024 512 256 128 64 32 16 8 4 2 1

1. Count from 0000 to 0111 2. Count from 01000 to 10000

3. Convert Base2 to Base10

4. Convert Base10 to Base2

0001 =

1111 =

1 =

7 =

0010 =

0011 =

2 =

27 =

0100 =

1101 =

4 =

100 =

1000 =

1001 =

8 =

99 =

1001 =

0101 =

16 =

211 =

5. 010010

6. 100001

7. 000111

8. 101010

+ 000001

+ 000010

+ 111000

+ 010101

9. 010010

10. 101111

11. 111011

12. 100010

+ 101001

+ 000010

+ 111001

+ 011101

13. 010010

14. 111101

15. 000111

16. 011010

+ 010010

+ 000010

+ 111001

+ 010101

17. 101111

18. 100001

19. 100110

20. 010010

+ 000001

+ 000011

+ 011001

+ 111001