**Converting Decimal to Binary**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: 7th**

Use the following table to help you to convert the Decimal numbers to Binary Numbers:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 210 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 |
| 1024 | 512 | 256 | 128 | 64 | 32 | 16 | 8 | 4 | 2 | 1 |

**Write each decimal number as a binary number:**

|  |  |
| --- | --- |
| 1- Decimal = (33) 10  Binary =  100001  32+1=33 | 2- Decimal = (50) 10  Binary =  32+16+2=50  110010 |
| 3- Decimal = (29) 10  Binary =16+8+4+1=29  11101 | 4- Decimal = (44) 10  Binary = 32+8+4=44  101100 |
| 5- Decimal = (19) 10  Binary = 16+2+1+19  10011 | 6-Decimal = (22) 10  Binary = 16+4+2=22  10110 |