

BINARY TO DECIMAL CONVERSION

To convert a binary into decimal number, follow the given procedure,

Step1: Write the given binary number.

Step2: Write the binary weightage below each number.

Step 3: Cancel the weightage which is placed below zero because any number multiplied by zero is zero.

Step 4: Add the remaining numbers.

	Decimal ↓									
BINARY WEIGHTAGE	2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0	2^{-1}	2^{-2}
DECIMAL VALUE	128	64	32	16	8	4	2	1	0.5	1.25