Number system

MCQs

PW SKILLS

Q1- The number of digits in binary system are :

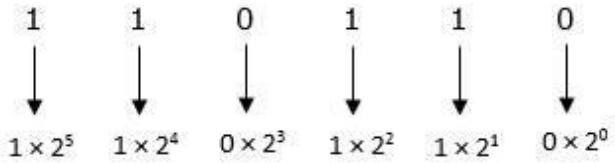
a) 2
b) 16
c) 10
d) None of the above

Q2- 1 Nibble contains _____ number of bits

a) 2
b) 4
c) 8
d) 16

Q3- Convert the following binary numbers to decimal numbers.
110110

a) 58
b) 52
c) 54
d) 50



$2^5 + 2^4 + 0 + 2^2 + 2^1 + 0$

$= 32 + 16 = 0 + 4 + 2 + 0$

$= 54$

Q4- Convert the binary 10101 to its decimal equivalent.

a) 21
b) 12
c) 22
d) 31

Q5- Convert the Given Decimal Number to Binary Number: 262_{10}

a) 100100101_2
b) 100000101_2
c) 100000110_2
d) 110000110_2

Answers:

Ans 1 : a) 2 : Binary comes in the form of 0's and 1's.
Ans 2 : b) 4
Ans 3 : c) 54
Ans 4 : a)
Explanation: To convert a binary number to its decimal equivalent follow these steps :
$(2^4 * 1)+ (2^3 * 0) + (2^2 * 1) + (2^1 * 0) + (2^0 * 1) = 21$.
Ans 5 : c)

	262	
2	131	- 0
2	65	- 1
2	32	- 1
2	16	- 0
2	8	- 0
2	4	- 0
2	2	- 0
2	1	- 0