

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

NUMBER SYSTEM

A. Tick (✓) the correct option.

1. Repeated division by 2 is done for converting



a. Decimal to Octal



b. Decimal to Hexadecimal



c. Decimal to Binary



d. None of these

2. What is the decimal number of binary number 101100_2 ?



a. 44



b. 55



c. 66



d. 33

3. What is the binary number of decimal number 980_{10} ?



a. 111101010



b. 1111010100



c. 1111010101



d. 1011010100

4. Decimal number system is also known as



a. Base-10 system



b. Base-2 system



c. Base-8 system



d. Base-16 system

B. How is data stored in computer memory?

C. What are the different types of number system?



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NUMBER SYSTEM

A. Fill in the blanks:

- _____ is also known as base-2 number system.
- Binary number system has only two symbols or digits _____ and _____.
- A number system made up of eight digits from 0 to 7, is known as the _____ number system.
- _____ displays 16 digits and symbols.
- _____ is also known as base-10 number system.

B. Convert $(10111011)_2$ to a decimal number

Position Digit	Position Value	Multiplication of Position value and Position Digit

Sum of the products = _____

Therefore, $(10111011)_2 =$ _____