



Ex: Convert the following number from hexadecimal to Binary Coded Decimal (BCD).

43 (hexadecimal)

SOL'N: Hexadecimal is base 16. Convert to decimal:

$$43_{\text{hex}} = 4 \cdot 16 + 3 \cdot 1 = 67_{\text{decimal}}$$

For BCD, we write each decimal digit in 4-bit binary.

0110 0111 BCD