Octal into Binary **Binary into Octal** HexaDecimal into Binary **Binary into Hexadecimal**

Use Table

Use Table

Table Making Procedure

Conversion from Hexadecimal into Binary

Conversion from Binary into Hexadecimal

$$Binary = 2$$

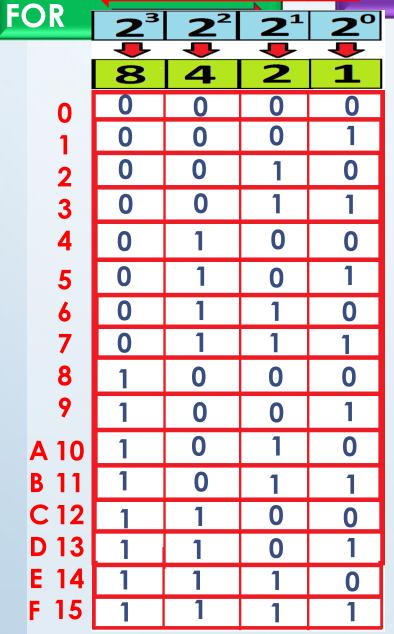
Hexadecimal = 16

What should be the power of 2 to get the answer 16?

Table will be used

Conversion from Binary into HexaDecimal & Hexadecimal to Binary

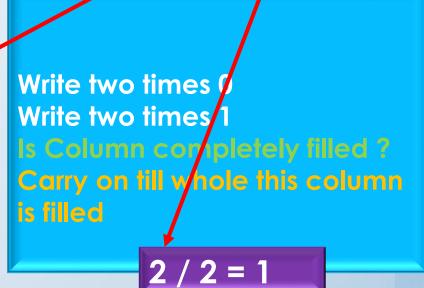
How to Make the Table



16 / 2 = 8 Write eight times 0 Then Write eight times 1

Write four times 0
Then Write four times 1
Still some boxes of this column are empty, So again repeat
Write four times 0
Then Write four times 1 (Carry on till whole this column is filled)

8 / 2 = 4



Write one time 0
Write one time 1
Is Column completely filled ?
Carry on till whole this column

is filled

Octal into Binary

Binary into Octal

HexaDecimal into Binary

Binary into Hexadecimal

Use Table

Use Table

Table will be used FOR

Hexadecimal into Binary

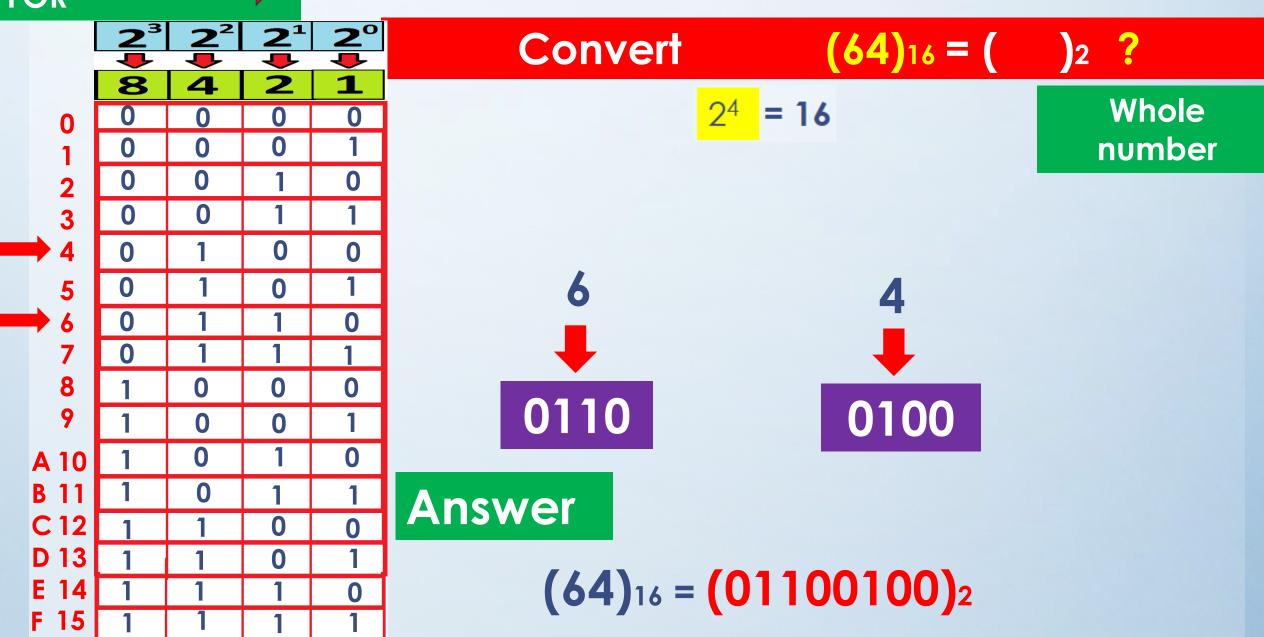
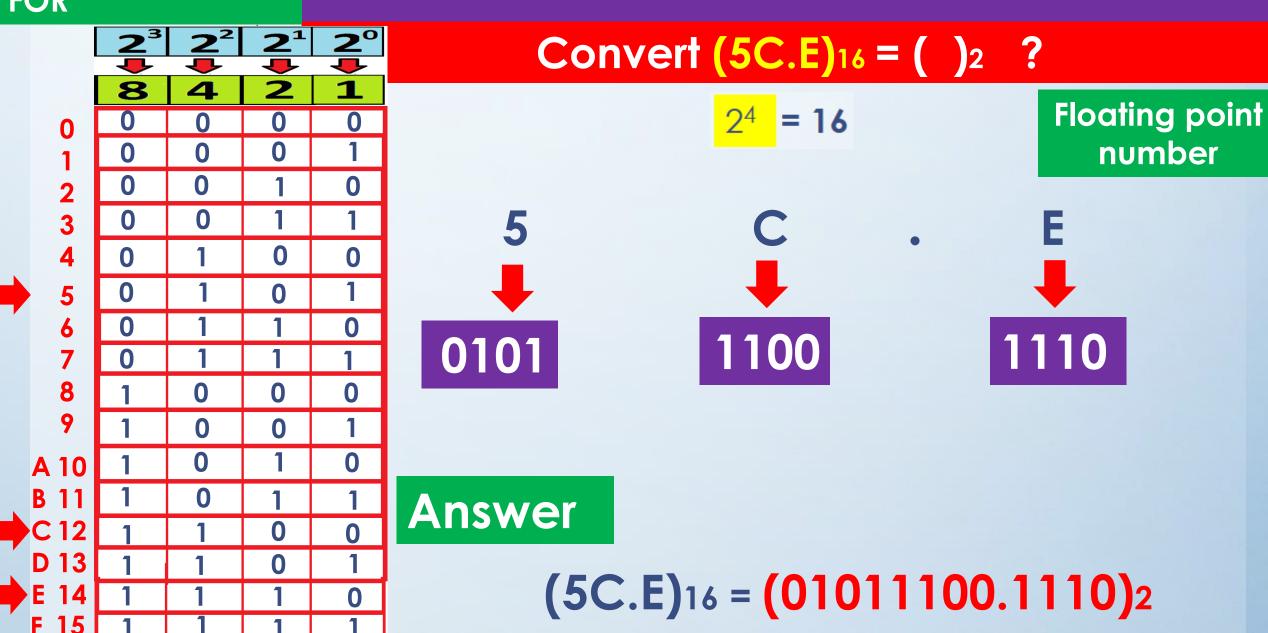


Table will be used FOR

Hexadecimal into Binary



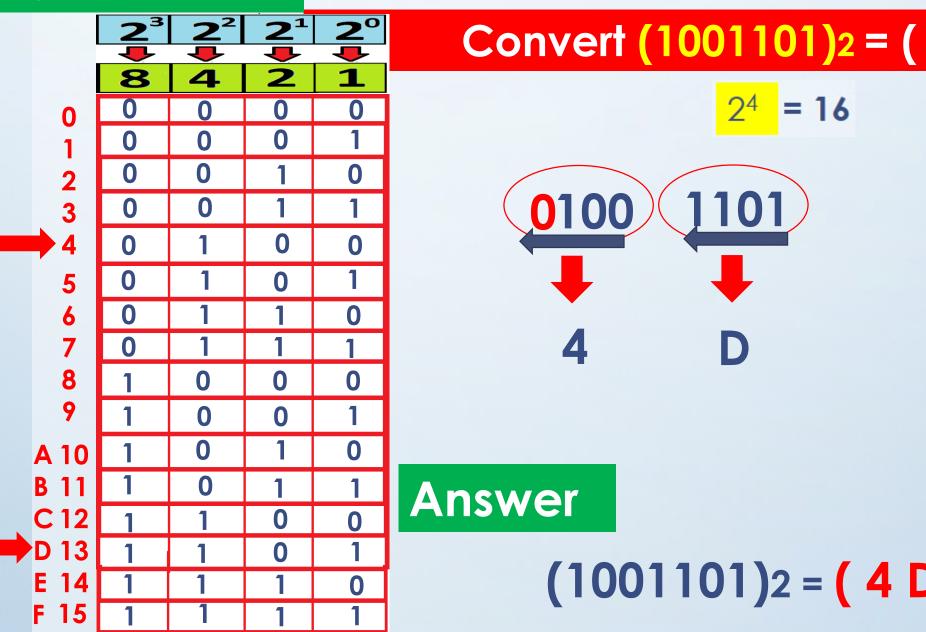
Octal into Binary **Binary into Octal** HexaDecimal into Binary Binary into Hexadecimal

Use Table

Use Table

Table will be used **FOR**

Binary into Hexadecimal



Whole number

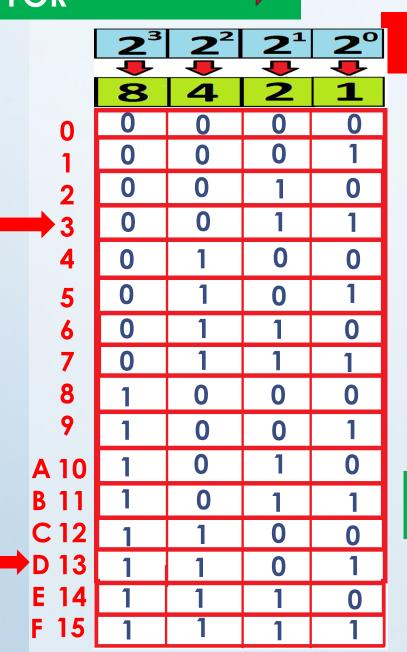
???

16

$$(1001101)2 = (4 D)16$$

Table will be used FOR

Binary into Hexadecimal



Convert
$$(11.1101)_2 = ($$

16 ?

Answer

$$(11.1101)_2 = (3.D)_{16}$$