

**Do the following conversions. Submit your answers (showing all the procedures!) to your teacher during class.**

### 1. Convert from Hexadecimal to Decimal

- a) 4
- b) 1F
- c) 300
- d) 4F1B

### 2. Convert from Binary to Hexadecimal

- a) 0100
- b) 0110 1011
- c) 1100 1111 1011 0001
- d) 1111 0000 1010 1110

### 3. Convert from Decimal to Hexadecimal

Hint: To convert a number from decimal to hexadecimal, you can follow these steps:

1. Divide the given number by 16, using integer division
2. Write down the remainder and convert it to hexadecimal.
3. Write down the result from the division.
4. Repeat steps 1,2, and 3 until the result is 0.

**Example: Convert 188 to Hexadecimal:**

Divide by 16	Result	Remainder	Remainder (in Hex)	
188 / 16 =	11	12		C
11 / 16 =	0	11	B	
<b>Answer:</b>			B	C

- a) 36
- b) 132
- c) 251
- d) 1024

### 4. Addition of hexadecimal numbers

Hint: One way of adding hexadecimal numbers is converting them to decimal, adding them, and converting them back to hexadecimal.

- a) F + F
- b) 10 + 10 + A
- c) 120 + 1FA