

Decimal	8-bit binary representation									2's complement value							
44																	
81																	
113																	
62																	
125																	

5. Perform the sum of pair of hexadecimal numbers (unsigned).

num1	num2	Sum
6B4 ₁₆	3FE ₁₆	
A49 ₁₆	6BD ₁₆	
7C4 ₁₆	3BE ₁₆	
B69 ₁₆	7AD ₁₆	

6. What is the sum of each pair of **12-bits binary signed numbers** represented in hexadecimal? Convert the result to its equivalent signed integer?

num1	num2	Sum	Decimal
6B4 ₁₆	3FE ₁₆		
A49 ₁₆	6BD ₁₆		
7C4 ₁₆	3BE ₁₆		
B69 ₁₆	7AD ₁₆		

7. Repeat 5 but perform the subtraction of each pair of **the 12-bits binary signed numbers** represented in hexadecimal.

num1	num2	Difference	Decimal
6B ₁₆	3F ₁₆		
A4 ₁₆	6B ₁₆		
7C ₁₆	3B ₁₆		
B6 ₁₆	7A ₁₆		

8. Write your initials in ASCII code decimal, hex, oct, binary and in Unicode

Initials	Dec	hex	Binary	Oct	Unicode

A floating-point decimal contains three components: a sign, a significand -**mantissa**- and an exponent. Single precision uses 32 bits.

9. Convert the following number to IEEE single-precision real

[illegible]

10. Convert the following IEEE single-precision real numbers -given in Hex- to its Decimal equivalent
- 41 86 00 00
- CD 32 A2 00