

Convert from Hexadecimal to Decimal

Algorithm:

- 1) Start at RIGHT Hexadecimal Number
 - 2) Multiply that number by 16 with a power of 0 (16^0).
 - 3) Record the output and store it in an Array
 - 4) Continue multiplying each concurrent Hexadecimal to the left by 16 while incrementing power by 1 for each hexadecimal number
 - 5) Repeat Step 3 & 4 until No more hexadecimal numbers are present
 - 6) Add all numbers in Array to get Decimal Number
- Conversion.

Example

Convert F92 Hexadecimal to Decimal

Convert	Store
$2 \cdot 16^0 = (2 \cdot 1) = 2$	2
$9 \cdot 16^1 = (9 \cdot 16) = 144$	+ 144

F=15 $15 \cdot 16^2 = (15 \cdot 256) = 3840$

3840
3986 ₁₀

Decimal Conversion is 3986₁₀