



||||| |||||
||||| |||||

|||| |||

V LCDM

Number

7 2 1 3 0
 1000^s 10^s 10^0

0 1 2 3 4 5 6 7 8 9

7×10^n
decimal

$$2 \cdot 1000 + 1 \cdot 100 + 3 \cdot 10 + 0 \cdot 1$$

8
Octal $134_8 = \underline{92}_{10}$

$$64 + 3 \cdot 8 + 4 \cdot 1$$

+ 24 + 4

base -2

binary

01

64 16 4 1
 1100101
 32 8 2

$$64 + 32 + 4 + 1 = 101$$

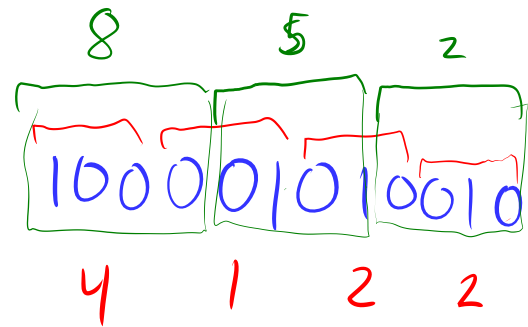
- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

- g
- a = 10
- b = 11
- c = 12
- d = 13
- e = 14
- f = 15

$$\begin{array}{r}
 11 \\
 2130 \\
 -2048 \\
 \hline
 0082 \\
 -64 \\
 \hline
 18 \\
 -16 \\
 \hline
 2
 \end{array}$$

852DAC1E

hexadecimal



1110
E

		Old lang	new lang
08	binary	- no way -	0b11001011
	octal	0273	0o273
	decimal	2130	2130
	hexadecimal	0x47a	0x47a

$$\begin{array}{r}
 \overset{1}{0} \overset{1}{0} \overset{1}{0} \overset{1}{0} \\
 - \quad \quad \quad 1 \\
 \hline
 1 \quad 1 \quad 1 \quad 1
 \end{array}$$

$$\begin{array}{r}
 \overset{1}{1} \overset{1}{0} \overset{1}{1} \overset{1}{0} \\
 - \quad \quad \quad 1 \\
 \hline
 1 \quad 0 \quad 0 \quad 1
 \end{array}$$

$$\begin{array}{r}
 \overset{1}{0} \overset{1}{0} \overset{1}{0} \overset{1}{0} \\
 - \quad \quad \quad 1 \\
 \hline
 9 \quad 9 \quad 9 \quad 9
 \end{array}$$

$$0 - 1 = 111 \dots 111$$

$$111 \dots 111 - 1 = 111 \dots 110$$



$$\frac{1}{2}$$

$$10^1 \quad 10^0 \quad 10^{-1} \quad 10^{-2}$$

↓

$$1 \quad 0.5 \quad 3 \quad 10^{-2}$$

$$101.01$$

$$4 + 1 + \frac{1}{4} = 5.25$$

↑