

Date: _____

Subject:

u 99K4 MIV u

نیچر

11001001 ^{1's comp} → 00110110

3. $00110110 = 1 \times 2^5 + 1 \times 2^4 + 1 \times 2^2 + 1 \times 2^1 = 32 + 16 + 2 + 1 = 51$ (الف) 1
 $\boxed{57} \Rightarrow -54$

+4

11001001 2^3 comp \rightarrow 00110111

$$= 12^5 + 1 \times 2^4 + 1 \times 2^2 + 1 \times 2^1 + 1 \times 0 = 32 + 16 + 4 + 2 + 1 = 55$$

~~$11001_{\text{pol}} = 1 \times 2^4 + 1 \times 2^3 + 1 \times 2^0 + 1 \times 2^{-3} = 16 + 8 + 1 + \frac{1}{8}$~~

~~$25 + 125 = 25, 125$~~

$$1 \times 10^0 + 1 \times 10^1 + 1 \times 10^2 + 1 \times 10^3 + 1 \times 10^4 + 1 \times 10^5$$

$$4 + 2 + \frac{9}{32} = 26 + 128125 = 6,28125$$

+6

$11001001 \xrightarrow{2^{\text{comp}}} 00110111 = 129 = 1 \times 2^7 + 1 \times 2^6 + \dots + 1 \times 2^0$

$$\frac{1}{4} + 1 \cdot 2^{-3} = 4 + 2 + \frac{7}{8} = 6,875 \Rightarrow -6,875$$

+6