

Luckas souni 301443184 Sign 7/100/010 miles - 74₁₀ /2 - 37 RU PI = 18 RUN 1's corp $| \{ \} |_{2} = q$ 9/2 = 4 RI = 10110101 RU 2's comp +1 RU = 0 K1 00110110 1/2 =0×136 b2U i U-75, 2's complement a) 1110 10012 1×2+1×2+1×2+1×2°=233 unsigned Signed 1: comp = 10010110 2's comp = 10010111 = - (23)b) 100/01/02 1x27 + 1x2 + 1x2 + 1x2 = 150 unsigned Signed: 1's comp = 11101001 , 2' comp: 11101040 $-(1\times2 + 1\times2^{3} + 1\times2^{3} + 1\times2^{3}) = [-106]$ unsigned to signed no binary 24710 - 256 = [-9] sisted to unstance -112,0 + 256 = 144,0

	0	
-		Unsigned W= 8 0-255 signed W=8 -127-128
2-3		2
2-9-	-	2.
		a) convert to unsigned binary and perturn addition.
		a) convert to unsigned binary and perform addition.
		i) 7410 + 6310
	4	tomor to comy in True = Autrol.
		63 100111111 Yes!
9		+ 74,0 + 0 1001010
-	-	137,0 true sun 3/1000/100/ =137 /ctas/ sun
		corry out
		63/2 = 31 - 1 $74/2 = 37 - 0$ $31/2 = 15 - 1$
		31/2 = 15 - 1 ($37/2 = 16 - 1$) $15/2 = 7 - 1$ $18/2 = 9 - 0$
		7/2 = 3 - 1 $9/2 = 4 - 1$
		3/2 = 1 -1 4/2 = 2 -0
		1/2 = 0 -1 2/2 = 11-0
		1/2 = 0 -1
		ii) 123,0 + 157,0
		126 July 1
		T. Actuals
- N		1 123 O1111011 Ticc = Actual
	y 4	1 15-7 + 110611101 NO!
- 3		
		cong out
N		123 = 0111 011 157/2 = 78 - 1 1/2 = 0 - 1
		(alculated previously 78/2 = 39 -0 [00/116]
0	W	39/2 = 19 -1
- C		19/2 = 9 -1
		$\frac{9/2}{1} = \frac{1}{2} = 0$
10		4/2 = 2 - 0



