

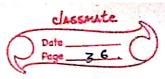
	The state of the s
	F Number System: - Decimal & Pinary:
	Q. what & number system?
	and the state of t
	1. Method to represent numeric Values
	et quantitées usens des
	er quantitées using différent digits.
	-> Décimal nos system !!!
_	
	1. The decemal number system base to
	2. It uses digite from 0 to 9.
	2. It uses digite from 0 to 9. 3. Rase: It is one of symbols (digits)
	a number system uses.
	A A D A D A D A D A D A D A D A D A D A
	-> Bénary Number cystem!!!
	1. Number System Using base ?.
	2. It isses only too office for offi
	1. Number System using base 2. 2. It uses only two digits i.e. 0f1.
	As we know,
	Computer only understands Binary
	and communicates only én
	Binary (Os f LS)
	and administration of the second of the seco
	The CPU, memory and all thrings
	are encoded 2n Binary.
	ACE ACE ACE ON ON
	Battern - 1 0 1 0 0 1 1
	Battrey -) 0 1 0 0 0 1 1 1
	Battrey -) 0 1 0 0 1 1 1 0 0 1 1 1 0 0 0 0 0 0 0
100	

	classmate
0	Date
6	15

	Counting in li	nary Number	x system.		
Strainer on Mariner recorded the or	Decimal Bénary	peciral			
	Banay				
	0	120	1100		
75 1 2	101 - 35,000 15 1 - 35	1379	LLOI		
	2 10	14	1110		
	3 41	min - 15 mm ?	LLLL		
	4 100	16	10000		
od o	5 101	17	10001		
a de la composition della comp	6-110	5 6 6 18 5 23	10010		
ATEST	7: 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.9	10011		
-	8 L000	20 mg	10100		
	9 1001	21	10101		
THE PERSON NAMED OF THE PE	10 Lo Lo	x = 2 2 1 1/1	10110		
	IL LOLL	23	10 111		
	and order	and the second	adagola old		
		1 0110 23	120 14 1351		
>					
·	Decinal For Strate		1 300 PA		
	- S. A. B. a. M. a. L. bad				
	Division Method.				
	1. Divide no. by 2		17.3		
	3. Repeat above steps with quotient				
	Cutill quotient les less phon 2.				
	4. Reverse 1-ue meterial.				
	ego no Lo	1	•		
	prision > 10/255	Kem + 0	1		
	5/1 2 2		1= 100000		
	12, 2/2 2 L	V7 V7 G			
m H N	1/2=0	L			

	Data
	Now Reversing bêts >>>
	T -) T + 10 T + 0 = 10
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	1 -) 1 × 103 + 10 = 1010
	pormula;
	ans 20,120
	ans = (digit # 10°) + ans
	$0 \times 10^{\circ} + 0 = 0$
	9 1 1 10 4 10 2 10 10
	Rel colored
	Bit wise Method
	D. obtain bit with piterise AND operation
_	roe. (Nf1)
_	O. Right Shift N by 1. (N=N>>1)
4	
	3. Repeat above Steps +511 N>0
_	
_	(4) Reverse the bots so obtained.
	Explanation N= Lo
\parallel	
	1010. 4.1.

	LOLO
-	40001
	0000 -) 0 (LSt PSt)
	11 21 - 1 2 3 (-)
	1016 -> (néka) Léya)
	let-1s Réght swift the no.
	negleer .
	1010 -> LOL.
	The state of the s
	after right
	suft of the second
	NOW N2 101
	again
	4 00 L
	OOL 2nd bit.
1	00 010 000 000
	again right suit
	LOL - 1 LO
	CIND WID IN IN THE
	20L
	00 -> (1) -> 3 rd hit
	again same process
	11 2 cove 2 (4) 1 d
	f L
	and put the
-	and put the same formula.
was free was a second	formula.
J 34	



	Page Z 6
>	Broary to Decimal conversion.
	1. Multiple each digit with it's
	2. Add up au place values. 3. Sum is the accimal number.
	égs 10 -> 1010
	$0 \times 2^{\circ} + 1 \times 2' + 0 \times 2^{2} + 2 \times 1 \times 2^{3}$
	= 0+2+0+8
	= 10
	eg:- 23 -> 10111
	EX Lx2° + Lx24 + 1 x 22 + 0 x 23 + 1 x 24
	2 1+2+4+0+16
	= 23