-	Decreal Equivalent
	900
	· 001
	010
4	011
	150
	101
	110
A TOTAL TOTAL	111
	and the second of the second o
-	CANALITY OF THE PARTY OF THE PA
-	Octal Number System + In the Octal number system, the
1 2 h 2 h 5 h	base is 8. Hance there are only eight symbols
1	or digits: 0,1,2,3,4,5,6,7
1	
-	By
4	Ex. The number 3105 can be unither, 3105 . Its decimal equivalent is $(3 \times 8^3) + (1 \cdot 8^2) + (658) + (5 \times 8)$ = $1536 + (41) + (9+5)$
3	Its dearnal equivalent is:
1	$(3\times8)+(1\times8^2)+(6\times8)$
A CONTRACTOR	integral
	= 1536 + 64 - 5 + 5
01	- troll of 15
	view page 2 of 15
200	VICT DAGE
PIO	3 3 16 45 10
	Only of any character that
	= 1536 +64140+5 = 1500 ieW 000 3030605
1	
8	Haxadecimal Number System > Here the base is 16. There
S Sidle	- we 16 single character digit con symbols. The
0	first 10 digits one the digits of the decimal mumber
	system 01 th 3 4 5 6 7 A 9 The very
-	system. 0,1,2,4,5,6,7,8,9. The remaining six digitare
A CONTRACTOR OF THE PARTY OF TH	denoted by the symbols A B. C. D. E and F represending
1	the decimal values 10, 11, 12, 13, 14 and 15 respectively.
1 1	Its desired equivalent content contents 2BF
	The bound communications has shall be a 7 1 - 16
	all course of course of course
-	(2×162)+(B×+61)+(E×160)
V-	
	= (2~162) + (11 x 161) + (14 x 160)
	= 512 + 176 + 14 = 702
	Here 205 - 743
	Hence, 2BE16 = 70210
10	#

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FRACTION AL NUMBERS >

In decimal number posten: -

0.235 = (2×10)+(3×10 2) +(5×10 3)

and 68.53 = (6×101)+(8×10)+(5×101)+(3×102)

Similarly in Bingy number System! -

 $0.101 = (1 \times 2^{-1}) + (0 \times 2^{-2}) + (1 \times 2^{-3})$

and 10.01 = (1 ×2')+(0×2°)+(0×2-1)+(1×2-2)

127.548 = (1 x82) + (2x81) + (7 x80) + (5 x8-1) + (4 x8-2)

= 64 + 16 + 7 + (5/6) + (4/64)

= 87 + 01625+ 010625

= 87.6875,0

Ex3) 28. C4 = P

28. C4 = (2×161) + (8×16) + (C×161)+(4×162)

= 32 + 8 + (c/6) + (4/256)

= 32 + 11 + (12/16) + (4/256)

= 43 + 0.75 + 0.01 5625

= 43.76 5635

(4) 1011,1011 = Pro