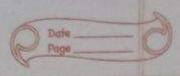


6	Q 100 D 100
	Ch-1 -> Real Numbers
-}_	Notes:
· *>	Euclide Division Lemma: given 2 positive integers 'a' s' (6) their exists an unique integers '9' s' 8' such that
° >>>	a= 60 + 7, 0 ± 0 ± 8 (6 Euclid Division Algorithm: 9+ is used for finding 'HCF' of 2 given positive integers
3	Exercise 1.1 :
_u	evelial divisor algorithm:
_ cis_	135 and 225
<u>ئے</u> اور	$2 = 0 = 69 + 7$ $225 = 135 \times 1 + 90$ 135 090
2 2	135 = 909 + 8 135 = 90x1 + 45
11 A	90 = 459 + 8 90 = 45x2 + 0 41
30	HCFC135, 225) = 45

	Q Daffe Q
city	196 and 38220
*	a= 69+8
2	38220 = 196×9 +8
02_	HCF (196, 38220) = 1956
	Total mount of the
<u>ciii)</u>	867. and 225
	225 867
= 2	2867 = 225 x 3+192 192
	225 = 192 × 1 + 33
	HCF C867, 225) = 1
	OH 14 789 BISTO 1
	6= 6
- 4	By Euclid division Lemma
-	Q= 69+8 - CI)



	Prige	
2 4	values 06 & are: 0,1,2,3,4,5	
2	a= 69 -> 96 8=0 -> even	
	a = 6q+1 > Odd a = 6q+2 > even	5
5	a= 69+3> Odd	196
	a= 60+4 -> quen	143
7	a = 69+5 => odd	588
	so, any positive odd integer is of	the
	form Eq+1 08 6q+3 08 6q+5	
(3)	members in the first group = 616	
	members in the second group = 32	
*>		000h
	the 2 groups	
	By Euclid algorithm	
2	a= 69.+8	
=	616=32 ×19+8	
	32= 8 × 4 + 0	
=	LINE - X	
	HCF = 8	
-2 ,	The maximum number of columns is	8