



	Date Page	188
	The same of the sa	0
-		13.4
	Hence, 42 462 + 55B + 35C.	
	W1.72	
	Nou, = 958:1.73 231.7	
	3 Mod invince of 55 = 2	
	Gy Q=4	
	55x41.7 = 2207.7 = 3	
_	11 11-11/2 226 5	
	Hence, N=462+220+356	7.4
	Now, N.1.11=35C.7.11=10 357.11=2	- 4
	t	
	3525=1757.11210	18
lik U	Yence,	
	Hence, $N = \frac{350}{1832}$ .	
Jan Shire	a to the first through the second to the sec	101.0
	Hower, W2 1032+ 100 kx (cm (5,7,11) is also	
1 state of the same	an anster.	An
	Hence, correct onsum is: 1cm (5,7,11)  N=1032-1-385 = 345	_ <u> </u>
	V = 1032.1.385 = 315 35	
2.1	$\frac{\sqrt{2}}{\sqrt{2}}$	
	ABOUT THE MANY	7.1
Ans 2	Fermat's little theorem states that for any prime number	1700
1-11-	D. any interes a	I III
	$(\Lambda f = \alpha) \delta f = 0$	
	Hence, at = a 7. p	141 121 712
i)_	$2^{345} = 2^{11\times 31} + 4$ $2^{11\times 21} = 2^{11\times 21} = 2^{11\times 11}$	
	tence, 2" = 2 / 1	7
3 A +	Hence, 2 x 24 · 1.11 = 32-7.11 = 10	
	Carlos must bed sould	
Higgs 1		
		107 80



i	60-1 mod 2/1-
	How, 60 1 - 211 - 60 211 is prime as well.  Note, 60 1 = 60 211 - 212 60 207 Green (211, 60)
	Not, 607 = 60 (241,60)
	1.21 = 0.60 1.21 x 2001
थ	$=60(211,60)=3\times60+31$
60	= GCO (60,31) = 31X1 + 89/ 1300 = x rd
31	$= 600(31,29) = 29\times1 + 2$
2	$P = \frac{(400(29,2))}{(29,2)} = \frac{2}{2} \times \frac{1}{4} + \frac{1}{2}$
	Nov, 1 = 29 - 20 (2) 1 = 29 - 1431 - 29) [Replacing 2 = 31 - 29]
	1   2960 - 14(21) 20
To see the	1 = 60/12 - 1231 (B) (Prolating 29=60-31
	1 = 60(9) - 211(8) [Replacing 31=211-60x
	1 = 60(10 - 103) (Replacing 29 = 60-3) 1 = 60(102) - 211(18) [Replacing 31 = 211-60x 2 1 = 60(102) - 211(87)
	Applying modulo 211 on both sides.
	1.2(1 = (60 x(\02))1.2(1.
	Hence, 607-1.211= 102-1.21]
Ans 3	13 <sup>18</sup> 1.19
5	= (132) 7/9 7.19 169-1.19 = 17
55	= 129/1.19 (35/52 16/10) (SC 1612) 11/2 1/2 1/2
52)	2 //
	Using Fermat's little theorem sturing,
	When p is prime & gcd(a,p)=1
A CALL	Le get, 13 18 7.1921.
The state of the s	13 - 1.1121.

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