1. If the number 517*324 is	9. The unit digit in the product	D) None
completely divisible by 3, then the	$(122)^{173}$ is:	19. find the sum of factors of 98?
smallest whole number in the	A) 2	A) 161
place of * will be?	B) 4	B) 171
A) 2	C) 6	C) 160
B) 3	D) 8	D) None
·	· ·	
C) 4	10. Find the unit digit in the	20. How many factors of 360 are
D) 5	product $(4387)^{245} \times (621)^{72}$.	odd numbers?
2. For what values of P number	A) 1	A) 24
345472P34 is exactly divisible by 9.	B) 2	B) 6
A) 3	C) 5	C) 18
B) 4	D) 7	D) 12
Ć) 6	11. What is the unit digit in	21. Number N = $2^6 * 5^5 * 7^6 * 10^7$;
D) 7	(2538) ^{212.}	how many factors of N are even
•		numbers?
3. If number 1792N is divisible by	A) 8	
2. How many values N can take?	B) 1	A) 1183
A) 4	C) 6	B) 1200
B) 5	D) 4	C) 1050
C) 3	12. What is the unit digit in 2^{40} .	D) 840
D) 6	A) 0	22. Find no. of ways of writing 120
4. If the number 97215*6 is	B) 1	as a product of two numbers
completely divisible by 11, then	Ć) 2	A) 7
the smallest whole number in	D) 6	B) 8
	•	•
place of * will be:	13. What is the unit digit in	C) 9
A) 3	$(69!)^{646}$?	D) 4
B) 2	A) 1	23. How many zeros are there in
C) 1	B) 9	100!?
D) 5	C) 0	A) 24
5. If the number 91876*2 is	D) None	B) 97
completely divisible by 8, then the	14. What is the unit digit in	Ć) 121
smallest whole number in place of	$(7^{95} - 3^{58})$?	D) None
* will be:	A) 0	24. Find the number of zeros in 75!
	B) -6	
A) 2	,	A) 16
B) 1	C) 4	B) 18
C) 4	D) 7	C) 20
D) 3	15. The unit digit in the sum of	D) 21
6. If x and y are the two digits of	$(123)^{53!}$	25. Find the number of zeros at
the number 653xy such that this	A) 3	end of 5 x 10 x 15 x 20 x 25 x 30 x
number is divisible by 80, then x +	B) 9	35 x 240 x 245 x 250
y =?	Ć) 0	A) 53
A) 4	D) 1	B) 62
B) 4 or 8	16. The digit in the unit position of	C) 47
· ·		,
C) 2 or 6	the integer 1! + 2! + 3! ++99! Is	D) None
D) 8	A) 3	26. Find the number of zeros in
7. What should come in place x if	B) 0	100! + 200!
4857x is divisible by 88?	C) 1	A) 24
A) 2	D) 7	B) 49
B) 8	17. Find the number of factors of	C) 73
C) 4	144?	D) None
D) 6	A) 15	27. Find number of trailing zero in
8. If the product 4864 x 9 P 2 is	B) 12	100! X 200!
-	C) 8	
divisible by 12, then the value of P	C10	A) 24
is:		B) 40
	D) None	B) 49
A) 5	D) None 18. Find the number of factors of	C) 73
A) 5 B) 8	D) None 18. Find the number of factors of 120?	C) 73 D) None
A) 5 B) 8 C) 2	D) None 18. Find the number of factors of 120? A) 16	C) 73 D) None 28. What is the highest power of 2
A) 5 B) 8	D) None 18. Find the number of factors of 120?	C) 73 D) None
A) 5 B) 8 C) 2	D) None 18. Find the number of factors of 120? A) 16	C) 73 D) None 28. What is the highest power of 2

D) 48 35. The least number which is exactly divisible by 8, 16, 40 and 80	2028 and their H.C.F. is 13. The number of such pairs is: A) 1	C) 24 D) 33 52. Find the unit digit in the
D) 48		C) 24
B) 16 C) 24	D) None42. The product of two numbers is	A) 31 B) 29
C) 120 D) 200 34. The ratio of two numbers is 3: 4 and their H.C.F. is 4. Their L.C.M. is: A) 12	at 12 noon, how many times will they toll together till 1 pm? A) 31 B) 15 C) 20	B) 5C) 6D) 1451. Find the maximum power of 6 in 66!
33. Three number are in the ratio of 3: 4:5 and their L.C.M. is 2400. Their H.C.F. is: A) 40 B) 80	41. 6 bells of a Church toll at different intervals of 5seconds, 8 seconds, 10 seconds, 6 seconds, 12 seconds and 15 seconds respectively. If they toll together	C) 9 D) 7 50. What is the remainder left after dividing 1! +2! +3!+100! by 7? A) 0
18/35, and 21/40 is? A) 3/1400 B) 5/1400 C) 7/1400 D) None	case. A) 4 B) 7 C) 9 D) 13	D) 13 49. What is the remainder when (125 ¹⁰ + 3 ⁸¹ + 7 ²⁶) is divided by 10? A) 2 B) 5
B) 42 C) 16 D) None 32. The H.C.F of 9/10, 12/25,	D) 305 40. Find the greatest number that will divide 43, 91 and 183 so as to leave the same remainder in each	is divided by 560. A) 2 B) 1 C) 0
D) 23 31. The H.C.F of two numbers is 8 and their L.C.M is 96. If one of the numbers is 32, then the other is A) 24	remainders 6 and 5 respectively, is: A) 123 B) 127 C) 235	A) 125 B) 1 C) 5 D) 250 48. Find the remainder when 234!
1 × 2 × 3 × 4 × 524 × 25 × 26. A) 5 B) 7 C) 10	B) 6 C) 12 D) 18 39. The greatest number which on dividing 1657 and 2037 leaves	B) 4 C) 2 D) 8 47. Remainder when 5 ⁵⁰⁰ is divided by 500?
C) 57 D) 15 29. What is the highest power of 12 that divides 54!? A) 25 B) 26 C) 30 D) 4 30. Find the greatest power of 8 in	leaves remainder 1, 2 and 3 respectively? A) 60 B) 53 C) 58 D) None 38. Find the highest common factor of 36 and 84. A) 4	by 9? A) 1 B) 4 C) 8 D) 5 46. Remainder when 2^99 is divided by 10? A) 1
A) 37 B) 38	37. Find the smallest number, which when divided by 3, 4 and 5	C) 3 D) 4 45. Remainder when 2 ³³ is divided