

1.	If the letters of the word MOTHER are written in all possible orders and the (1) 240	ese words are written out as in a dictionary, then the rank of the word MOTHER is - (2) 261
	(3) 308	(4) 309
2.	If the letters of the word PARKAR are written down in all possible manne	er as they are in a dictionary, then the rank of the word PARKAR is
	(1) 98	(2) 99
	(3) 100 _{ngo} ///, mathongo ///, mathongo ///, mathongo	(4) 101 hongo /// mathongo /// mathongo /// r
3	In how many ways can the letters of the word PERMUTATIONS be arrang	
٥.	in now many ways can the letters of the word I ERMO IATIONS be arrang	ged if the
	vowels are all together thongo // mathongo // mathongo	
	(1) 2419200	(2) 241900
	(3) 2419400	(4) 2418800
4.	mathongo /// mathongo /// mathongo	t of 100 identical red balls,100 identical blue balls & 100 identical white balls.
5.	The Number of ways of choosing 10 objects out of 31 objects of which 10 objects of whi	
3.	(1) 020	(2) 221
	(1) $2^{2^{0}}$ mathongo mathongo mathongo (3) $2^{20} + 1$	(2) 2^{20} thongo /// mathongo /// mathongo /// r (4) $2^{20} - 1$
,		(4) 2 -1
6.	Sum of all the odd divisors of 720 is	"20 Tothongo /// mathongo /// mathongo /// mathongo /// r
	(1) /0	(2) 76
	(3) 80	(4) 84
7.	For $N = 12600$, the number of even divisors is	
	(1) 72	(2) 54
	(3) 18	(4) None of these
8.	Number of divisors of the form $(4n+2)$, $n \ge 0$ of the integer 240 is	
	(1) 4	(2) 8
	(3) 10	(4) 3
9.	If the number of ways of selecting two distinct numbers from the set $\{1,2,$, 12} whose sum is divisible by 3 is equal to k, then k - 16 is equal to
10.	Out of 10 white, 8 black and 6 red balls, the number of ways in which one	or more balls can be selected is (assuming balls of the same colour are identical)
	(1) 681	(2) 691
	Mathongo /// mathongo /// mathongo	mathongo // mathongo // mathongo // mathongo
	(3) 679 mathongo mathongo mathongo	(4) 692 mathongo math
	mathongo // mathongo // mathongo // mathongo	
	(3) 679	
	(3) 679	(4) 692
	mathongo /// mathongo	(4) 692 /// mathongo /// mathongo /// mathongo /// r
	(3) 679	(4) 692 /// mathongo /// mathongo /// mathongo /// r
	mathongo /// mathongo	(4) 692 /// mathongo /// mathongo /// mathongo /// r
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