

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

STEPS TO FOLLOW:

1. START FROM ANY NUMBER. CANCEL THAT NUMBER.
2. THEN CANCEL ANY MULTIPLE OF THAT NUMBER OR FACTOR OF THAT NUMBER.
3. KEEP RECORDING THE STEPS.
4. CONTINUE THE STEPS 1 AND 2 TILL YOU HAVE REACHED A DEAD-END.
5. HOW MANY NUMBERS HAVE YOU CANCELLED?
6. EMAIL YOUR SOLUTIONS TO [sirbasak@gmail.com](mailto:sirbasak@gmail.com)
7. Example on the next page.

**PUZZLE CHALLENGE : (1) VISIT <http://rbasak.orgfree.com> FOR MORE**

1	2	3	4	<del>5</del>	6	7	8	<del>9</del>	10
11	12	13	14	<del>15</del>	16	17	18	19	20
21	22	23	24	25	26	27	28	29	<del>30</del>
31	32	33	34	35	36	37	38	39	40
41	42	43	44	<del>45</del>	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	<del>67</del>	68	69	70
71	72	73	74	75	76	77	78	79	80
<del>81</del>	82	83	84	85	86	87	88	89	<del>90</del>
91	92	93	94	95	96	97	98	99	100

If I cancel 30 , the next number I may cancel may be any multiple of 30 i.e., 60 or 90 or any factor of 30 such as 5 or 10 . If I chose to cancel say 10, then in the next step I may chose to cancel a multiple of 10 or a factor or 10 and I would proceed in this manner until I cannot find any number to cancel.

EXAMPLE:

ANSWER: 30, 5, 15, 90, 45, 9, 81 .....and so on.

ALL THE BEST