

Indian Olympiad Qualifier in Mathematics Answer Key

October 5, 2025

For IOQM Exam 2025 held on 28th September (final)

	Set M1	Set M2	Set M3	Set M4
Q1	20	20	20	20
Q2	11	11	11	11
Q3	20	20	20	20
Q4	11	11	11	11
Q5	35	35	35	35
Q6	53	25	53	06
Q7	26	53	25	16
Q8	16	16	06	26
Q9	25	06	16	25
Q10	06	26	26	53
Q11	24	24	31	31
Q12	08	96	96	08
Q13	96	08	08	10
Q14	10	10	10	24
Q15	31	31	24	96

	Set M1	Set M2	Set M3	Set M4
Q16	27	44	27	27
Q17	68	27	44	44
Q18	84	68	09	68
Q19	44	09	68	84
Q20	09	84	84	09
Q21	08	14	70	22
Q22	14	08	30	70
Q23	70	22	08	30
Q24	22	70	14	14
Q25	30	30	22	08
Q26	92	55	92	15
Q27	98	15	55	55
Q28	52	92	98	98
Q29	55	98	15	92
Q30	15	52	52	52

Explanations

- A total of 75 challenges were received (some challenges are potentially duplicates).
- Out of these, 49 challenges were for (**Q3/M1, Q3/M2, Q3/M3, Q3/M4**). The claims argued that 1 should not be counted since it is not divisible by any prime. However it is clear therefore that 1 is not divisible by a prime other than 2 or 3, and hence satisfies the conditions as in the question. The challenge is therefore **REJECTED**.
- There was a english typo in (Q14/M1, Q14/M2, Q14/M3, Q13/M4) where “cord” was typed instead of “chord”. This was clearly a typo which cannot be said to lead to a misunderstanding in the problem. Certainly, very few (< 2) students challenged it. No cause of compensatory marks arises.
- No other challenges were found to be significant/reasonable for a response.