



## **Global Mental Math Olympiad 2023**

### **Question Bank 2**

#### **Grandmaster Category (Ages 12 & above)**

Sr.No	Question Content	Option 1	Option 2	Option 3	Option 4
1	$679 + 81 - 8 = \_$	759	757	744	752
2	$65 \times \_ = 195$	6	10	9	3
3	$513 + 54 - 43 = \_$	526	515	524	519
4	$96 - 5 - 1 = \_$	93	92	83	90
5	Triple of 606 = $\_$	1810	1818	1813	1820
6	$81^2 = \_$	6557	6561	6567	6562
7	Remainder of $813 / 13 = \_$	0	7	4	1
8	Double of 46 + Double of 80 = $\_$	262	243	253	252
9	Multiple of 90 = $\_$	270,360, 450	273,362, 452	365,455, 456	278,367, 457
10	$128 - 82 + 25 = \_$	71	70	76	79
11	Double of 19 = $\_$	43	34	33	38
12	$2^2 = \_$	0	4	22	1
13	$5 \times 8 \times 5 = \_$	191	200	197	198
14	$(28 + 16) \times (32 + 47) = \_$	3482	3469	3471	3476
15	$18 : 261 = \_$	7:34	10:33	2:29	6:38
16	Find the LCM of 18 and 95 ?	1706	1711	1702	1710
17	Half of 8986 = $\_$	4487	4493	4494	4488
18	$74 \times 18 = \_$	1332	1322	1337	1342
19	40, 59, 22, 31, 53 Mean = $\_$	50	39	45	41
20	$95 - 62 - 10 = \_$	22	23	31	13
21	Find the HCF of 74, 91 = $\_$	9	3	5	1
22	Half of 9784 = $\_$	4887	4896	4898	4892
23	Cost price = 172, Selling Price = 260 Profit = $\_$	83	97	81	88
24	$66 : 18 = \_$	14:8	15:10	11:3	19:11
25	50% of 458 = $\_$	224	220	219	229



26	$2 \times 4 \times 3 = \underline{\quad}$	14	27	24	17
27	32, 68, 30, 19, 61 Mean = $\underline{\quad}$	44	47	42	36
28	Triple of 33 = $\underline{\quad}$	101	95	99	103
29	Triple of 430 = $\underline{\quad}$	1290	1289	1288	1292
30	$315 \div 9 = \underline{\quad}$	32	35	33	38
31	Half of 704 = $\underline{\quad}$	343	349	355	352
32	$55 + 42 - 23 = \underline{\quad}$	82	75	73	74
33	Double of 52 + Half of 62 = $\underline{\quad}$	144	127	135	133
34	$99 - 85 - 10 = \underline{\quad}$	14	0	4	8
35	$52 + 59 = \underline{\quad}$	108	111	103	106
36	33, 65, 73 Mean = $\underline{\quad}$	56	53	57	55
37	Double of 59 + Half of 110 = $\underline{\quad}$	164	173	175	182
38	Prime Factors of 48 = $\underline{\quad}$	3, 4, 5	6, 7, 8	9, 10, 11	2, 2, 2, 2, 3
39	$486 \div 81 = \underline{\quad}$	9	5	2	6
40	$138 + 762 + 248 = \underline{\quad}$	1148	1139	1147	1154
41	Prime Factors of 39 = $\underline{\quad}$	3, 13	4, 15	8, 17	10, 20
42	$12 \times \underline{\quad} = 96$	17	8	7	9
43	20% of 15 = $\underline{\quad}$	2	10	3	7
44	25% of 336 = $\underline{\quad}$	81	84	87	74
45	$830 + 45 = \underline{\quad}$	883	869	879	875
46	Double of 25 + Half of 82 = $\underline{\quad}$	100	88	91	86
47	Double of 81 + Half of 124 = $\underline{\quad}$	219	216	224	226
48	$572 + 80 - 42 = \underline{\quad}$	600	603	601	610
49	$\sqrt{1089} = \underline{\quad}$	33	39	31	23
50	50% of 42 = $\underline{\quad}$	25	21	24	28



51	90, 82, 92 Mean = _	83	95	88	86
52	Double of 95 = _	185	190	196	187
53	224 - 56 + 29 = _	188	197	194	187
54	Find the HCF of 39, 68 = _	9	8	1	6
55	Cost price = 239, Selling Price = 409 Profit = _	179	175	162	170
56	968 + 443 + 813 = _	2227	2232	2224	2221
57	Cube Root of 39304 = _	41	34	25	42
58	Double of 47 + Double of 62 = _	222	218	213	214
59	50% of 782 = _	391	390	395	382
60	$6^2 =$ _	42	29	31	36
61	762 - 97 = _	665	659	663	673
62	83 + 9 - 4 = _	88	83	85	94
63	Cube Root of 74088 = _	45	47	42	38
64	79 x _ = 158	2	9	11	1
65	$\sqrt{3721} =$ _	54	61	63	55
66	314 + 14 - 9 = _	314	327	324	319
67	$\sqrt{225} =$ _	15	21	13	7
68	680 / 8 = _	89	85	94	87
69	Remainder of 456 / 96 = _	70	78	72	68
70	Double of 920 = _	1848	1832	1847	1840
71	68 - 4 - 3 = _	61	59	52	62
72	Triple of 36 = _	118	108	99	109
73	450 + 995 = _	1439	1445	1444	1435
74	8682 - 166 = _	8514	8516	8506	8513
75	38 + 20 = _	51	66	58	49



76	$21 : 35 = \_$	3:5	12:8	12:10	8:8
77	Half of 2932 = $\_$	1466	1460	1469	1464
78	$392 - 32 + 9 = \_$	364	369	368	362
79	Remainder of $15 / 5 = \_$	4	3	1	0
80	Cube Root of 46656 = $\_$	26	36	38	39
81	Prime Factors of 629 = $\_$	17, 37	18, 40	23, 41	26, 46
82	$40 + 8 - 5 = \_$	39	43	46	47
83	$98^2 = \_$	9605	9609	9604	9594
84	Find the LCM of 88 and 12 ?	263	255	270	264
85	$885 - 92 = \_$	786	783	800	793
86	$75 + 73 - 40 = \_$	100	105	108	112
87	Multiple of 54 = $\_$	272, 273, 489	274, 275, 491	278, 279, 493	216, 270, 486
88	Half of 1696 = $\_$	848	858	851	842
89	$8751 - 612 = \_$	8143	8134	8139	8136
90	Double of 619 = $\_$	1236	1230	1238	1241
91	$823 + 56 = \_$	878	888	882	879
92	$771 - 70 + 4 = \_$	699	705	695	714
93	Remainder of $78 / 2 = \_$	3	0	1	9
94	$93 \times 17 = \_$	1579	1581	1582	1587
95	Half of 788 = $\_$	403	388	394	396
96	Double of 60 + Half of 58 = $\_$	151	140	149	139
97	$761 + 186 = \_$	947	942	955	938
98	Cost price = 248, Selling Price = 126 Loss = $\_$	129	122	121	112
99	Cost price = 822, Selling Price = 345 Loss = $\_$	484	479	477	482
100	$75 / 75 = \_$	5	7	1	3