



Global Mental Math Olympiad 2023

Question Bank 1-Answer Key

Grandmaster Category (Ages 12 & above)

Sr.No	Question Content	Option 1	Option 2	Option 3	Option 4
1	$613 + 882 = _$	1486	1504	1495	1501
2	Remainder of $54 \div 3 = _$	0	1	2	3
3	$24 : 56 = _$	3:7	6:9	10:9	9:16
4	$143 - 97 + 52 = _$	93	106	89	98
5	96, 39, 30 Mean = $_$	61	57	65	55
6	25% of 304 = $_$	85	80	69	76
7	$89 + 22 - 22 = _$	92	84	89	94
8	$90 + 7 - 4 = _$	101	93	85	100
9	54, 49, 80 Mean = $_$	65	62	61	71
10	Multiple of 78 = $_$	156,468, 624	158,470, 625	160,474, 628	164,476, 632
11	Double of 19 + Half of 142 = $_$	116	109	110	111
12	Multiple of 44 = $_$	308,352, 396	309,354, 397	314,358, 402	315,359, 403
13	$528 - 55 + 14 = _$	488	493	487	480
14	Find the LCM of 35 and 78 ?	2728	2723	2734	2730
15	$970 - 30 = _$	939	945	935	940
16	Half of 4602 = $_$	2301	2292	2300	2299
17	Prime Factors of 94 = $_$	5, 50	6, 53	9, 56	2, 47
18	Prime Factors of 253 = $_$	12, 26	17, 27	18, 30	11, 23
19	69, 76, 78, 89, 63 Mean = $_$	70	85	75	76
20	Find the LCM of 74 and 83 ?	6132	6143	6142	6151
21	$944 + 662 + 406 = _$	2006	2021	2003	2012
22	$776 + 39 - 3 = _$	808	806	820	812
23	$25 + 89 = _$	114	108	106	117
24	Half of 730 = $_$	365	357	367	363
25	$63 \times 87 = _$	5481	5473	5471	5483



26	75% of 40 = _	31	37	27	30
27	$32 + 29 - 29 =$ _	34	32	29	27
28	$7^2 =$ _	45	49	58	43
29	$169 + 714 =$ _	886	882	883	874
30	$8 \times 7 \times 1 =$ _	65	66	56	61
31	$57 \times$ _ = 513	3	9	15	14
32	Cost price = 270, Selling Price = 83 Loss = _	196	184	187	183
33	Triple of 81 = _	249	244	243	246
34	$34 \times 48 =$ _	1632	1631	1629	1635
35	Double of 637 = _	1274	1272	1264	1270
36	$144 / 16 =$ _	18	7	1	9
37	$631 + 80 - 72 =$ _	636	630	642	639
38	$76 \times$ _ = 228	1	7	10	3
39	20% of 65 = _	19	6	13	14
40	Prime Factors of 737 = _	12, 68	15, 72	19, 76	11, 67
41	Double of 49 = _	99	98	90	88
42	Cube Root of 35937 = _	38	42	33	28
43	$687 / 3 =$ _	230	227	222	229
44	Cube Root of 68921 = _	35	41	43	51
45	Half of 656 = _	320	325	333	328
46	Half of 9716 = _	4858	4866	4857	4865
47	Half of 3184 = _	1591	1592	1585	1589
48	$2494 - 868 =$ _	1618	1626	1636	1632
49	$294 / 3 =$ _	103	96	98	88
50	$61^2 =$ _	3723	3721	3714	3716



51	$708 + 18 = \underline{\quad}$	735	726	722	731
52	$122 + 49 - 32 = \underline{\quad}$	139	137	136	149
53	Remainder of $110 / 63 = \underline{\quad}$	46	38	47	54
54	Double of 62 + Half of 74 = $\underline{\quad}$	161	165	162	155
55	$914 - 76 + 2 = \underline{\quad}$	838	840	830	843
56	$40 : 24 = \underline{\quad}$	8:11	9:5	13:9	5:3
57	$6^2 = \underline{\quad}$	32	36	34	33
58	Triple of 24 = $\underline{\quad}$	81	73	82	72
59	31, 60, 28, 22, 89 Mean = $\underline{\quad}$	48	37	46	42
60	$78 + 9 - 4 = \underline{\quad}$	83	88	89	84
61	$59^2 = \underline{\quad}$	3471	3478	3481	3484
62	Double of 11 + Half of 34 = $\underline{\quad}$	46	29	35	39
63	Find the HCF of 28, 44 = $\underline{\quad}$	4	7	10	5
64	50% of 62 = $\underline{\quad}$	39	23	29	31
65	$4 \times 2 \times 8 = \underline{\quad}$	56	70	64	67
66	Cost price=117,Selling Price= 178 Profit = $\underline{\quad}$	61	64	71	62
67	Double of 49 + Half of 30 = $\underline{\quad}$	113	122	120	112
68	$50 - 7 - 4 = \underline{\quad}$	39	35	41	44
69	Triple of 496 = $\underline{\quad}$	1493	1480	1494	1488
70	$63 + 80 = \underline{\quad}$	148	143	153	141
71	Remainder of $445 / 49 = \underline{\quad}$	9	10	7	4
72	$88 - 51 - 15 = \underline{\quad}$	22	27	25	26
73	Triple of 450 = $\underline{\quad}$	1345	1351	1350	1354
74	Half of 2496 = $\underline{\quad}$	1248	1240	1243	1244
75	$86 - 73 - 11 = \underline{\quad}$	8	13	2	12



76	Cost price = 283, Selling Price = 70 Loss = _	222	206	213	208
77	$(69 + 74) \times (20 + 45) = _$	9305	9295	9304	9291
78	Cube Root of 15625 = _	31	33	25	35
79	$700 / 50 = _$	6	14	12	21
80	Double of 44 = _	88	80	85	78
81	$6595 - 179 = _$	6421	6408	6416	6420
82	$225 + 14 = _$	233	242	239	247
83	$62 - 4 - 1 = _$	58	57	59	63
84	$550 + 331 + 943 = _$	1828	1827	1822	1824
85	$(66 + 40) \times (99 + 83) = _$	19284	19292	19282	19297
86	$\sqrt{7225} = _$	85	76	89	79
87	$\sqrt{121} = _$	21	11	3	12
88	$195 + 88 - 6 = _$	280	281	283	277
89	Double of 215 = _	440	424	430	428
90	$\sqrt{1936} = _$	54	44	43	37
91	Prime Factors of 74 = _	4, 38	6, 42	9, 44	2, 37
92	Double of 37 + Double of 44 = _	169	162	153	171
93	Double of 61 + Half of 160 = _	196	211	202	194
94	Find the LCM of 21 and 99 ?	692	693	685	699
95	$52 \times _ = 208$	6	3	1	4
96	$436 - 23 = _$	417	421	413	403
97	Find the HCF of 76, 30 = _	7	12	2	3
98	Double of 87 + Double of 37 = _	242	248	253	244
99	$214 - 72 + 6 = _$	144	148	158	151
100	25% of 64 = _	14	6	9	16