



Global Mental Math Olympiad 2023

Question Bank 3-Answer Key

Grandmaster Category (Ages 12 & above)

Sr.No	Question Content	Option 1	Option 2	Option 3	Option 4
1	$751 - 71 + 11 = \underline{\quad}$	691	688	690	693
2	Cost price = 932, Selling Price = 1604 Profit = $\underline{\quad}$	666	672	668	665
3	25% of 108 = $\underline{\quad}$	27	30	26	22
4	$737 - 35 = \underline{\quad}$	708	710	702	703
5	$956 + 318 + 711 = \underline{\quad}$	1985	1995	1992	1984
6	25% of 68 = $\underline{\quad}$	17	16	27	9
7	$52 \times \underline{\quad} = 364$	17	7	1	14
8	Triple of 894 = $\underline{\quad}$	2686	2682	2685	2680
9	Remainder of $866 / 17 = \underline{\quad}$	21	13	16	22
10	Multiple of 58 = $\underline{\quad}$	119, 233, 235	122, 237, 238	116, 232, 348	125, 239, 241
11	$777 / 21 = \underline{\quad}$	43	37	30	42
12	$830 + 784 = \underline{\quad}$	1608	1614	1619	1611
13	Double of 64 = $\underline{\quad}$	133	135	134	128
14	$194 - 44 + 11 = \underline{\quad}$	158	163	160	161
15	Double of 53 + Half of 36 = $\underline{\quad}$	119	124	131	128
16	$93 \times 84 = \underline{\quad}$	7821	7810	7818	7812
17	$76 - 64 - 11 = \underline{\quad}$	12	1	10	8
18	$39 + 84 = \underline{\quad}$	120	114	123	130
19	$5 \times 8 \times 7 = \underline{\quad}$	287	277	270	280
20	$411 - 54 + 4 = \underline{\quad}$	368	361	352	354
21	$952 + 650 = \underline{\quad}$	1594	1602	1599	1592
22	Remainder of $86 / 8 = \underline{\quad}$	4	5	3	6
23	14, 80, 56 Mean = $\underline{\quad}$	50	52	54	59
24	$1847 - 107 = \underline{\quad}$	1749	1740	1744	1741
25	$451 + 60 - 3 = \underline{\quad}$	518	507	511	508



26	Triple of 376 = _	1128	1119	1122	1126
27	$847 + 73 - 67 =$ _	852	860	862	853
28	$446 + 857 + 532 =$ _	1834	1844	1832	1835
29	$609 / 7 =$ _	84	82	92	87
30	Half of 7850 = _	3933	3925	3935	3926
31	Prime Factors of 326 = _	5, 164	8, 169	2, 163	9, 171
32	$96 \times$ _ = 288	4	11	3	8
33	Half of 4408 = _	2204	2200	2196	2201
34	Cost price = 481, Selling Price = 125 Loss = _	361	356	350	346
35	Remainder of $422 / 55 =$ _	37	31	45	34
36	$208 + 45 =$ _	253	252	244	259
37	Cube Root of 12167 = _	16	33	26	23
38	$62^2 =$ _	3848	3842	3844	3843
39	$2^2 =$ _	4	1	22	6
40	$77 + 8 - 8 =$ _	84	77	87	79
41	$45 \times$ _ = 360	17	8	0	6
42	$14 : 49 =$ _	5:11	6:9	2:7	11:10
43	Double of 37 + Half of 166 = _	150	165	157	166
44	Double of 99 + Double of 20 = _	245	233	244	238
45	$30 - 9 - 6 =$ _	15	20	24	8
46	$(51 + 15) \times (80 + 71) =$ _	9962	9966	9964	9963
47	Prime Factors of 34 = _	5, 18	6, 23	2, 17	10, 26
48	Cube Root of 68921 = _	35	32	41	43
49	$699 / 3 =$ _	226	233	224	237
50	Half of 244 = _	115	129	122	126



51	Double of 56 + Double of 41 = _	193	194	198	186
52	Triple of 58 = _	170	174	178	182
53	Prime Factors of 559 = _	16, 44	18, 47	13, 43	22, 52
54	Half of 760 = _	380	388	383	382
55	672 / 56 = _	19	12	7	15
56	Double of 58 + Half of 62 = _	147	137	156	151
57	$\sqrt{1681}$ = _	41	33	36	48
58	82 + 82 - 14 = _	141	150	152	143
59	9^2 = _	72	81	74	83
60	Find the LCM of 70 and 82 ?	2870	2867	2860	2865
61	9026 - 381 = _	8645	8654	8646	8643
62	53 - 8 - 5 = _	46	40	35	41
63	Prime Factors of 74 = _	3, 40	6, 42	2, 37	9, 44
64	Cost price = 135, Selling Price = 74 Loss = _	53	51	60	61
65	Half of 7270 = _	3635	3631	3633	3639
66	Find the HCF of 92, 86 = _	9	1	11	2
67	960 - 59 + 5 = _	916	912	914	906
68	Multiple of 84 = _	169, 255, 589	172, 256, 593	168, 252, 588	177, 260, 595
69	20% of 510 = _	96	102	110	95
70	Double of 79 + Half of 42 = _	180	179	170	169
71	63 : 207 = _	10:27	8:31	7:23	12:27
72	44, 45, 23, 39, 24 Mean = _	27	35	26	43
73	67 - 62 - 4 = _	9	1	5	8
74	996 + 17 - 11 = _	1002	1004	993	1005
75	99 + 38 - 20 = _	118	123	111	117



76	$9 \times 1 \times 3 = _$	33	17	35	27
77	$967 + 75 - 8 = _$	1035	1027	1034	1040
78	Remainder of $32 / 2 = _$	0	1	2	5
79	50% of 82 = $_$	44	51	35	41
80	$103 + 26 = _$	139	124	129	138
81	Double of 343 = $_$	686	690	696	679
82	Find the LCM of 75 and 68 ?	5108	5091	5094	5100
83	$\sqrt{961} = _$	31	23	21	30
84	$84 + 8 - 6 = _$	92	90	82	86
85	$54 + 77 = _$	130	128	138	131
86	Cube Root of 35937 = $_$	41	33	38	30
87	Double of 95 + Half of 196 = $_$	287	294	288	285
88	$582 - 74 = _$	501	498	508	499
89	$27 : 45 = _$	9:14	10:12	3:5	12:13
90	Double of 259 = $_$	525	518	508	512
91	Triple of 38 = $_$	106	114	118	113
92	13, 32, 14, 53, 73 Mean = $_$	29	36	37	43
93	Double of 17 = $_$	34	25	29	44
94	89, 11, 86 Mean = $_$	62	65	69	55
95	Find the HCF of 27, 24 = $_$	7	2	3	6
96	$\sqrt{5929} = _$	84	76	74	77
97	20% of 15 = $_$	3	5	2	12
98	$18 \times 19 = _$	341	337	350	342
99	50% of 78 = $_$	35	33	49	39
100	$83^2 = _$	6889	6897	6896	6893