



## **Global Mental Math Olympiad 2024**

### **Question Bank 3-**

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

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$93+8-1 = \_$	104	105	109	100
2	$415/83$ Quotient = $\_$	6	5	8	7
3	Find the HCF of 54, 70 = $\_$	2	4	10	7
4	$346+278+469 = \_$	1093	1095	1100	1094
5	$49 \times \_ = 196$	8	5	9	4
6	$18 : 30 = \_$	4:10	4:9	3:5	8:8
7	Double of 56 + Half of 60 = $\_$	149	142	143	147
8	$\sqrt{625} = \_$	23	31	17	25
9	Cost price = 115, Selling Price = 29 Loss = $\_$	89	86	85	76
10	$146+33-5 = \_$	180	175	174	181
11	$276/12$ Quotient = $\_$	25	23	27	24
12	$14+84 = \_$	103	98	100	107
13	$(38+42) \times (70+56) = \_$	10089	10084	10083	10080
14	48, 81, 14, 42, 35 Mean = $\_$	35	47	44	42
15	Find the LCM of 26 and 11 ?	281	288	286	282
16	Double of 82 + Half of 166 = $\_$	247	256	254	248
17	Prime Factors of 119 = $\_$	16, 24	9, 19	13, 21	7, 17
18	Triple of 787 = $\_$	2367	2361	2353	2364
19	Find the HCF of 44, 24 = $\_$	7	5	4	10
20	Find the LCM of 18 and 51 ?	306	296	302	307
21	$888+893+625 = \_$	2408	2406	2407	2409
22	$79-6-4 = \_$	72	74	69	70
23	Multiple of 40 = $\_$	88, 127, 249	80, 120, 240	86, 125, 246	80, 120, 243
24	Cube Root of 10648 = $\_$	18	14	27	22
25	$216-99+57 = \_$	176	177	178	174



26	$(66+11) \times (69+38) = \_$	8241	8243	8246	8239
27	$34-31-1 = \_$	2	4	3	11
28	$201+21 = \_$	222	230	224	229
29	Cost price = 802, Selling Price = 1244 Profit = $\_$	448	447	442	432
30	Triple of 74 = $\_$	222	217	216	231
31	Find the HCF of 69, 58 = $\_$	1	3	7	8
32	Prime Factors of 762 = $\_$	11, 136	7, 132	5, 128	2, 3, 127
33	$78-47-17 = \_$	14	22	15	18
34	$77 \times 10 = \_$	777	775	771	770
35	Prime Factors of 46 = $\_$	7, 27	3, 26	2, 23	11, 32
36	Double of 30 = $\_$	57	62	61	60
37	Cost price = 144, Selling Price = 225 Profit = $\_$	88	81	82	74
38	$82+59-35 = \_$	106	112	110	107
39	Cost price = 432, Selling Price = 246 Loss = $\_$	176	186	179	190
40	Cube Root of 39304 = $\_$	34	39	36	26
41	$\sqrt{7225} = \_$	80	85	88	92
42	$578+979 = \_$	1563	1557	1558	1559
43	Remainder of $21/3 = \_$	1	5	0	4
44	Double of 96 + Half of 132 = $\_$	263	267	258	260
45	$\sqrt{9801} = \_$	97	99	95	106
46	$498/2$ Quotient = $\_$	252	249	251	250
47	$\sqrt{6241} = \_$	82	78	81	79
48	Half of 9392 = $\_$	4691	4690	4696	4697
49	Find the LCM of 64 and 23 ?	1470	1476	1462	1472
50	$896/56$ Quotient = $\_$	21	17	16	22



51	52, 76, 64, 82, 16 Mean = _	64	58	62	63
52	237-89 = _	148	152	149	150
53	25% of 732 = _	187	179	183	188
54	632/8 Quotient = _	85	83	80	79
55	Find the HCF of 32, 56 = _	14	17	8	10
56	31 x _ = 93	4	12	3	8
57	$90^2 =$ _	8093	8102	8107	8100
58	Cube Root of 19683 = _	18	27	28	32
59	Half of 994 = _	495	497	506	487
60	$64^2 =$ _	4098	4101	4096	4094
61	Cube Root of 42875 = _	35	42	32	29
62	146-90+45 = _	102	101	103	106
63	81 x 96 = _	7777	7778	7783	7776
64	535+99-61 = _	581	576	574	573
65	Cube Root of 12167 = _	14	21	32	23
66	20% of 115 = _	15	23	26	27
67	43, 84, 23 Mean = _	48	55	50	59
68	575+774+701 = _	2056	2050	2055	2051
69	630+263+146 = _	1042	1048	1029	1039
70	20% of 15 = _	3	8	4	1
71	Multiple of 20 = _	40, 100, 140	44, 104, 144	49, 107, 147	40, 100, 143
72	87-60-23 = _	4	13	10	5
73	$(76+65) \times (95+57) =$ _	21422	21434	21432	21435
74	30 : 66 = _	7:15	5:11	12:13	7:17
75	94+90 = _	184	189	174	186



76	Remainder of $567/83 = \_$	59	73	75	69
77	$703+483 = \_$	1187	1186	1176	1192
78	Half of 3072 = $\_$	1534	1536	1526	1530
79	76, 75, 94, 36, 69 Mean = $\_$	65	73	60	70
80	77, 49, 15 Mean = $\_$	47	37	46	56
81	Remainder of $191/12 = \_$	12	14	11	15
82	$53^2 = \_$	2813	2799	2811	2809
83	$49 : 14 = \_$	7:2	10:5	9:4	14:3
84	$617+74-64 = \_$	617	629	627	635
85	$(84+(7+73)) \times (786-55) = \_$	119889	119891	119884	119874
86	Prime Factors of 153 = $\_$	10, 26	3, 3, 17	6, 18	7, 8, 21
87	Cost price = 844, Selling Price = 1140 Profit = $\_$	297	296	286	290
88	$24+30 = \_$	64	54	63	44
89	Double of 926 = $\_$	1852	1862	1859	1842
90	$94+89-75 = \_$	98	118	108	116
91	$2499-468 = \_$	2040	2031	2021	2041
92	$256-49+38 = \_$	255	245	249	235
93	Half of 8004 = $\_$	3992	4012	4002	4004
94	$74 \times 91 = \_$	6724	6744	6742	6734
95	$\sqrt{1521} = \_$	39	47	49	29
96	Remainder of $315/51 = \_$	12	9	10	11
97	$622-49+2 = \_$	565	575	583	585
98	Double of 67 + Half of 78 = $\_$	173	163	183	175
99	Remainder of $45/3 = \_$	0	1	2	5
100	$2 \times 7 \times 8 = \_$	112	102	121	122