



## **Global Mental Math Olympiad 2024**

### **Question Bank 5-Answer Key**

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

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$408 - 25 + 15 = \_$	402	406	399	398
2	$84 + 79 - 64 = \_$	99	100	106	101
3	$21 \times 41 = \_$	868	861	865	862
4	85% of 900 = $\_$	765	769	760	766
5	66, 17, 56, 71, 65 Mean = $\_$	63	64	55	50
6	$12 : 66 = \_$	7:17	11:18	5:13	2:11
7	$4 \times 3 \times 9 = \_$	108	110	116	109
8	Find the HCF of 45, 74 = $\_$	2	1	8	4
9	Triple of 519 = $\_$	1554	1548	1557	1561
10	$\sqrt{1369} = \_$	37	34	35	39
11	$56 + 15 = \_$	80	74	72	71
12	$(42 + (5 + 30)) \times (475 - 83) = \_$	30188	30184	30187	30192
13	Half of 7902 = $\_$	3951	3953	3949	3948
14	Cost price = 240, Selling Price = 384 Profit = $\_$	144	141	151	145
15	$671 + 645 + 145 = \_$	1469	1468	1461	1462
16	Double of 75 + Half of 60 = $\_$	181	183	184	180
17	95, 65, 35 Mean = $\_$	65	59	70	63
18	$80 \times \_ = 560$	16	7	13	8
19	Find the HCF of 65, 81 = $\_$	8	1	4	9
20	Half of 660 = $\_$	332	334	328	330
21	$16 : 56 = \_$	4:10	10:11	4:16	2:7
22	Remainder of $27/7 = \_$	6	11	14	7
23	Cube Root of 29791 = $\_$	31	22	40	24
24	700/35 Quotient = $\_$	28	24	25	20
25	$74 + 20 - 14 = \_$	80	81	85	86



26	Double of 31 + Half of 124 = _	124	125	133	127
27	50% of 98 = _	52	40	49	51
28	305-73+59 = _	292	298	294	291
29	3004-150 = _	2863	2854	2856	2855
30	(76+54) x (77+40) = _	15216	15218	15210	15212
31	Double of 35 + Half of 46 = _	94	102	98	93
32	Remainder of 770/46 = _	42	34	41	35
33	Cube Root of 91125 = _	54	45	38	48
34	Triple of 26 = _	87	78	76	72
35	38 x 11 = _	420	421	418	419
36	264+146+777 = _	1192	1188	1187	1195
37	107+74 = _	182	188	187	181
38	Find the LCM of 54 and 22 ?	596	593	594	598
39	388+746+457 = _	1592	1593	1594	1591
40	868/7 Quotient = _	126	125	124	132
41	Half of 8154 = _	4079	4077	4085	4069
42	Prime Factors of 429 = _	10, 19, 21	5, 12, 14	3, 11, 13	8, 16, 17
43	Multiple of 15 = _	50, 80, 141	48, 78, 136	54, 82, 143	45, 75, 135
44	(90+76) x (26+22) = _	7972	7970	7968	7977
45	Remainder of 918/85 = _	71	68	69	77
46	99+82 = _	182	187	183	181
47	$\sqrt{1156}$ = _	32	31	34	25
48	86+29 = _	116	115	119	123
49	80-62-13 = _	5	12	7	6
50	Find the HCF of 80, 57 = _	6	1	3	2



51	Remainder of $791/12 = \_$	17	13	15	11
52	Cube Root of 42875 = $\_$	33	36	37	35
53	Multiple of 24 = $\_$	98, 123, 217	96, 120, 216	102, 126, 222	104, 127, 224
54	Cost price = 296, Selling Price = 483 Profit = $\_$	184	178	188	187
55	Cost price = 271, Selling Price = 78 Loss = $\_$	184	199	193	186
56	$35 \times 56 = \_$	1961	1964	1960	1969
57	$102+33-25 = \_$	111	110	112	118
58	Half of 5000 = $\_$	2500	2498	2495	2494
59	Prime Factors of 91 = $\_$	16, 22	13, 19	7, 13	8, 15
60	Double of 10 + Half of 144 = $\_$	95	96	92	100
61	Find the LCM of 77 and 46 ?	3536	3551	3542	3546
62	$79 \times \_ = 395$	6	14	5	8
63	Find the LCM of 36 and 14 ?	258	254	252	260
64	21, 60, 49, 15, 30 Mean = $\_$	41	35	32	26
65	Cube Root of 39304 = $\_$	32	35	34	29
66	$91^2 = \_$	8276	8285	8281	8286
67	Prime Factors of 596 = $\_$	10, 11, 156	6, 8, 154	2, 2, 149	3, 4, 152
68	$86-55-12 = \_$	26	27	20	19
69	$210+850 = \_$	1061	1065	1064	1060
70	$\sqrt{2401} = \_$	57	43	50	49
71	61, 39, 59, 60, 56 Mean = $\_$	63	64	60	55
72	$208+755 = \_$	963	964	969	971
73	$496+43-2 = \_$	538	543	537	541
74	10% of 90 = $\_$	9	17	7	18
75	Cost price = 470, Selling Price = 267 Loss = $\_$	203	212	195	198



76	$91-57-17 = \_$	18	23	17	19
77	Double of 52 = $\_$	106	108	101	104
78	$74+2-2 = \_$	77	74	75	83
79	$\sqrt{484} = \_$	22	16	26	23
80	Remainder of $49/9 = \_$	5	6	13	4
81	$(99+59) \times (38+23) = \_$	9640	9638	9643	9639
82	$238-73+15 = \_$	181	187	184	180
83	$998+80-50 = \_$	1033	1029	1028	1037
84	$35-7-4 = \_$	33	24	25	29
85	Find the HCF of 84, 72 = $\_$	21	14	13	12
86	76, 37, 52 Mean = $\_$	55	51	52	53
87	$30 : 18 = \_$	9:6	8:4	11:11	5:3
88	Double of 349 = $\_$	702	698	707	689
89	Cube Root of 97336 = $\_$	54	46	41	49
90	$\sqrt{7396} = \_$	93	84	86	85
91	$524-41+3 = \_$	488	487	491	486
92	$234-10 = \_$	226	225	224	230
93	$97^2 = \_$	9404	9413	9409	9411
94	$479+121+952 = \_$	1560	1552	1553	1558
95	Prime Factors of 586 = $\_$	5, 294	2, 293	7, 299	10, 302
96	168/56 Quotient = $\_$	10	3	7	4
97	$57^2 = \_$	3243	3251	3249	3253
98	912/38 Quotient = $\_$	30	25	24	28
99	Cost price = 527, Selling Price = 817 Profit = $\_$	290	281	289	299
100	486/3 Quotient = $\_$	164	165	163	162