



Global Mental Math Olympiad 2024

Question Bank 4-Answer Key

Grandmaster Challenge (Ages 12 & above)

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$389+55 = \underline{\hspace{1cm}}$	444	452	445	446
2	Prime Factors of 735 = $\underline{\hspace{1cm}}$	3, 5, 7, 7	7, 11	12, 14, 15	5, 8, 9
3	Find the LCM of 57 and 88 ?	5016	5022	5020	5023
4	$437+39-31 = \underline{\hspace{1cm}}$	445	451	450	446
5	$44+8-4 = \underline{\hspace{1cm}}$	49	54	48	56
6	$62^2 = \underline{\hspace{1cm}}$	3842	843	3853	3844
7	$79 \times 64 = \underline{\hspace{1cm}}$	5057	5061	5056	5062
8	$207+373+128 = \underline{\hspace{1cm}}$	709	712	708	710
9	Cube Root of 59319 = $\underline{\hspace{1cm}}$	43	45	29	39
10	$80-67-12 = \underline{\hspace{1cm}}$	1	3	9	2
11	245/49 Quotient = $\underline{\hspace{1cm}}$	5	6	10	7
12	$(59+59) \times (46+77) = \underline{\hspace{1cm}}$	14523	14514	14516	14517
13	Cube Root of 74088 = $\underline{\hspace{1cm}}$	46	42	47	33
14	Multiple of 40 = $\underline{\hspace{1cm}}$	86, 124, 245	87, 89, 128	80, 120, 240	80, 120, 123
15	$\sqrt{484} = \underline{\hspace{1cm}}$	21	24	27	22
16	Double of 28 + Half of 80 = $\underline{\hspace{1cm}}$	103	96	105	99
17	25% of 44 = $\underline{\hspace{1cm}}$	13	6	3	11
18	Cost price = 234, Selling Price = 152 Loss = $\underline{\hspace{1cm}}$	84	78	82	76
19	$58+89 = \underline{\hspace{1cm}}$	147	150	137	149
20	Cost price = 884, Selling Price = 406 Loss = $\underline{\hspace{1cm}}$	476	469	482	478
21	$489+529 = \underline{\hspace{1cm}}$	1021	1018	1025	1019
22	$24 \times \underline{\hspace{1cm}} = 192$	16	15	9	8
23	18, 24, 33 Mean = $\underline{\hspace{1cm}}$	17	18	25	33
24	Half of 3154 = $\underline{\hspace{1cm}}$	1584	1585	1577	1570
25	880/8 Quotient = $\underline{\hspace{1cm}}$	111	110	115	118



26	$\sqrt{8464} = _$	94	85	92	90
27	$386+99-70 = _$	418	415	416	421
28	Double of 77 + Half of 180 = $_$	245	246	234	244
29	$59 \times _ = 118$	2	8	3	4
30	$752/94$ Quotient = $_$	9	15	8	14
31	$3 \times 3 \times 7 = _$	69	68	64	63
32	$96^2 = _$	9214	9216	9224	9211
33	18, 63, 17, 87, 40 Mean = $_$	45	37	44	42
34	30, 41, 47, 45, 17 Mean = $_$	44	36	38	40
35	Double of 20 + Half of 98 = $_$	91	89	93	96
36	Prime Factors of 524 = $_$	4, 134	6, 8, 137	10, 139	2, 2, 131
37	Find the HCF of 16, 48 = $_$	16	24	18	22
38	$(58+49 \times (87+55)) = _$	15202	15196	15194	15199
39	90% of 440 = $_$	398	386	396	389
40	$25+40 = _$	67	65	66	69
41	Find the HCF of 99, 68 = $_$	8	9	2	1
42	Half of 3310 = $_$	1657	1647	1655	1651
43	Prime Factors of 565 = $_$	9, 117	14, 121	5, 113	7, 115
44	Remainder of $707/59 = _$	58	63	59	61
45	$561-61 = _$	504	501	502	500
46	Remainder of $395/58 = _$	48	50	47	55
47	Remainder of $54/4 = _$	5	3	4	2
48	$540/54$ Quotient = $_$	11	12	16	10
49	$88 : 40 = _$	19:14	13:7	11:5	15:14
50	$29^2 = _$	840	831	849	841



51	$12 : 42 = \underline{\hspace{1cm}}$	2:7	8:11	11:15	8:14
52	Double of 62 = $\underline{\hspace{1cm}}$	132	119	124	125
53	Triple of 862 = $\underline{\hspace{1cm}}$	2584	2579	2588	2586
54	$\sqrt{9801} = \underline{\hspace{1cm}}$	105	99	94	101
55	91, 89, 33 Mean = $\underline{\hspace{1cm}}$	65	71	76	69
56	$76+65-47 = \underline{\hspace{1cm}}$	101	94	103	95
57	$695-40+35 = \underline{\hspace{1cm}}$	690	692	691	694
58	$900+338+102 = \underline{\hspace{1cm}}$	1344	1340	1346	1341
59	$34+98 = \underline{\hspace{1cm}}$	134	122	132	137
60	Find the LCM of 44 and 95 ?	4175	4179	4178	4180
61	$250+199+318 = \underline{\hspace{1cm}}$	768	767	770	769
62	Cost price = 100, Selling Price = 172 Profit = $\underline{\hspace{1cm}}$	72	76	68	77
63	Multiple of 57 = $\underline{\hspace{1cm}}$	228, 342, 516	347, 518, 519	351, 520, 521	228, 342, 513
64	Double of 98 + Half of 150 = $\underline{\hspace{1cm}}$	271	272	276	275
65	$470/5$ Quotient = $\underline{\hspace{1cm}}$	97	96	94	95
66	Remainder of $251/31 = \underline{\hspace{1cm}}$	11	3	4	5
67	Remainder of $49/5 = \underline{\hspace{1cm}}$	7	12	5	4
68	Half of 546 = $\underline{\hspace{1cm}}$	280	272	279	273
69	93, 93, 86, 42, 76 Mean = $\underline{\hspace{1cm}}$	70	68	80	78
70	$(12+68) \times (45+65) = \underline{\hspace{1cm}}$	8809	8800	8790	8803
71	$454-41+26 = \underline{\hspace{1cm}}$	446	439	441	429
72	Cube Root of 15625 = $\underline{\hspace{1cm}}$	15	25	30	16
73	$\sqrt{4624} = \underline{\hspace{1cm}}$	58	68	77	65
74	Cube Root of 17576 = $\underline{\hspace{1cm}}$	26	27	19	16
75	$51-8-1 = \underline{\hspace{1cm}}$	44	48	42	32



76	Prime Factors of 14 = _	10, 16	2, 7	4, 10	7, 12
77	$(70+(1+33)) \times (460-80)$ = _	39526	39520	39510	39521
78	$95-59-10 =$ _	26	32	16	27
79	$12 \times 53 =$ _	636	626	638	637
80	Find the HCF of 26, 72 = _	2	4	10	5
81	$268-87+3 =$ _	184	188	186	174
82	$767+26-2 =$ _	791	792	800	781
83	$182+532 =$ _	720	717	714	704
84	Double of 232 = _	454	464	470	463
85	$\sqrt{4225} =$ _	55	65	56	57
86	$640+147+569 =$ _	1365	1346	1363	1356
87	$85 \times 80 =$ _	6800	6809	6803	6790
88	$865-99+29 =$ _	796	785	795	804
89	$69+51-39 =$ _	83	90	81	71
90	$16 : 24 =$ _	2:3	7:5	11:10	3:10
91	25% of 28 = _	6	7	4	3
92	Find the HCF of 20, 80 = _	20	27	30	10
93	Find the LCM of 42 and 19 ?	804	798	788	808
94	Triple of 74 = _	225	222	232	212
95	Cost price = 508, Selling Price = 829 Profit = _	311	321	319	331
96	Half of 7446 = _	3720	3723	3733	3713
97	$7657-715 =$ _	6942	6932	6948	6952
98	Cube Root of 29791 = _	21	31	30	41
99	Cost price = 900, Selling Price = 504 Loss = _	386	406	392	396
100	$70-14-12 =$ _	52	34	44	54