



## Global Mental Math Olympiad 2024

### Question Bank 3-Answer Key

#### Zen Master Challenge

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$26 \times 42 = \underline{\hspace{1cm}}$	1097	1081	1092	1082
2	$42 \times \underline{\hspace{1cm}} = 336$	9	14	15	8
3	$175 + 87 - 45 = \underline{\hspace{1cm}}$	222	223	207	217
4	$3904 \div 8$ Quotient = $\underline{\hspace{1cm}}$	478	496	488	477
5	$40 : 88 = \underline{\hspace{1cm}}$	5:11	7:15	13:19	6:20
6	Double of 11 + Half of 162 = $\underline{\hspace{1cm}}$	108	103	105	93
7	96, 73, 65 Mean = $\underline{\hspace{1cm}}$	68	77	75	78
8	$862 + 730 = \underline{\hspace{1cm}}$	1582	1593	1592	1594
9	$(35 + 58) \times (75 + 77) = \underline{\hspace{1cm}}$	14136	14126	14144	14138
10	$5.07 + 1.838 = \underline{\hspace{1cm}}$	10.908	6.918	13.908	6.908
11	Find the HCF of 72, 48 = $\underline{\hspace{1cm}}$	6	24	14	16
12	25% of 204 = $\underline{\hspace{1cm}}$	51	58	54	41
13	$15 : 35 = \underline{\hspace{1cm}}$	8:9	3:7	10:16	6:12
14	65% of 400 = $\underline{\hspace{1cm}}$	260	250	264	251
15	$65 \times 53 = \underline{\hspace{1cm}}$	3449	3445	3450	3435
16	Prime Factors of 958 = $\underline{\hspace{1cm}}$	2, 479	3, 482	8, 485	10, 486
17	Cube Root of 15625 = $\underline{\hspace{1cm}}$	25	34	15	29
18	$937 - 10 = \underline{\hspace{1cm}}$	917	927	930	935
19	$9884 - 303 = \underline{\hspace{1cm}}$	9582	9571	9581	9590
20	$70 + 42 - 12 = \underline{\hspace{1cm}}$	103	101	100	102
21	$381 + 47 = \underline{\hspace{1cm}}$	428	430	429	418
22	32, 68, 43, 65, 52 Mean = $\underline{\hspace{1cm}}$	47	52	58	46
23	$15 : 355 = \underline{\hspace{1cm}}$	5:72	7:75	3:71	7:76
24	$4630 - 143 = \underline{\hspace{1cm}}$	4490	4477	4489	4487
25	Double of 17 + Half of 192 = $\underline{\hspace{1cm}}$	137	130	135	120



26	$88^2 = \underline{\hspace{1cm}}$	7736	7744	7743	7749
27	$433 - 58 + 55 = \underline{\hspace{1cm}}$	437	433	420	430
28	Cost price = 735, Selling Price = 1022 Profit = $\underline{\hspace{1cm}}$	292	279	287	277
29	Half of 8084 = $\underline{\hspace{1cm}}$	4039	4038	4042	4048
30	$1.24 + 5.869 = \underline{\hspace{1cm}}$	6.109	12.109	16.109	7.109
31	$599 - 12 + 4 = \underline{\hspace{1cm}}$	596	592	591	595
32	$\sqrt{1369} = \underline{\hspace{1cm}}$	37	39	41	31
33	$44 \times \underline{\hspace{1cm}} = 220$	12	15	5	13
34	Prime Factors of 366 = $\underline{\hspace{1cm}}$	10, 12, 70	4, 63	8, 66	2, 3, 61
35	$4 \times 9 \times 2 = \underline{\hspace{1cm}}$	72	73	62	74
36	$785 + 55 - 4 = \underline{\hspace{1cm}}$	836	843	837	826
37	$485 + 45 - 37 = \underline{\hspace{1cm}}$	493	494	496	483
38	$66 \times 68 = \underline{\hspace{1cm}}$	4491	4489	4488	4478
39	Multiple of 52 = $\underline{\hspace{1cm}}$	262, 365, 469	266, 369, 473	268, 373, 476	260, 364, 468
40	Cube Root of 35937 = $\underline{\hspace{1cm}}$	23	33	38	43
41	$56^2 = \underline{\hspace{1cm}}$	3132	3134	3136	3145
42	$\sqrt{8836} = \underline{\hspace{1cm}}$	100	96	94	86
43	$179 + 29 = \underline{\hspace{1cm}}$	210	214	198	208
44	$128 / 64$ Quotient = $\underline{\hspace{1cm}}$	3	8	4	2
45	Remainder of $632 / 81 = \underline{\hspace{1cm}}$	65	73	63	74
46	Cost price = 676, Selling Price = 432 Loss = $\underline{\hspace{1cm}}$	248	234	244	245
47	$676 - 98 + 51 = \underline{\hspace{1cm}}$	629	631	619	630
48	Double of 67 + Double of 53 = $\underline{\hspace{1cm}}$	243	240	244	245
49	Find the LCM of 85 and 37 ?	3148	3149	3145	3138
50	$3304 / 7$ Quotient = $\underline{\hspace{1cm}}$	462	474	479	472



51	$987 - 18 + 3 = \underline{\quad}$	972	980	973	962
52	$82 \times 26 = \underline{\quad}$	2132	2133	2122	2135
53	$47 + 46 - 22 = \underline{\quad}$	76	72	71	73
54	$525 \div 7$ Quotient = $\underline{\quad}$	76	65	75	80
55	Prime Factors of 187 = $\underline{\quad}$	14, 20	15, 21	11, 17	18, 25
56	Prime Factors of 30 = $\underline{\quad}$	2, 3, 5	4, 8	10, 12	7, 9
57	$665 - 15 = \underline{\quad}$	640	650	651	652
58	44, 62, 12, 94, 58 Mean = $\underline{\quad}$	54	49	55	60
59	Double of 16 + Half of 96 = $\underline{\quad}$	86	84	89	80
60	$717 + 114 + 498 = \underline{\quad}$	1334	1333	1329	1239
61	Find the LCM of 27 and 97 ?	2621	2619	2609	2620
62	$\sqrt{6400} = \underline{\quad}$	80	72	70	60
63	$726 \div 11$ Quotient = $\underline{\quad}$	66	73	67	74
64	6% of 150 = $\underline{\quad}$	8	9	2	7
65	Prime Factors of 48 = $\underline{\quad}$	9, 10, 11	6, 8, 9	3, 4, 5, 6	2, 2, 2, 2, 3
66	$\sqrt{2704} = \underline{\quad}$	46	52	60	49
67	$42 : 354 = \underline{\quad}$	8:66	7:59	11:67	14:60
68	$(66 + 34) \times (56 + 72) = \underline{\quad}$	12080	12802	12800	12803
69	Double of 624 = $\underline{\quad}$	1250	1248	1246	1244
70	$641 + 152 + 973 = \underline{\quad}$	1756	1766	1768	1767
71	8% of 75 = $\underline{\quad}$	4	9	6	13
72	Triple of 953 = $\underline{\quad}$	2868	2851	2859	2857
73	$581 \div 7$ Quotient = $\underline{\quad}$	85	88	83	84
74	70, 58, 40 Mean = $\underline{\quad}$	49	47	56	52
75	$92 - 38 - 19 = \underline{\quad}$	38	25	36	35



76	$78 - 73 - 1 = \underline{\quad}$	4	10	7	5
77	$977 + 16 - 2 = \underline{\quad}$	991	992	995	981
78	Double of 99 + Half of 46 = $\underline{\quad}$	227	221	229	223
79	Cost price = 716, Selling Price = 1082 Profit = $\underline{\quad}$	357	366	363	371
80	Half of 2486 = $\underline{\quad}$	1250	1243	1245	1241
81	Half of 9316 = $\underline{\quad}$	4663	4667	4664	4658
82	Cost price = 570, Selling Price = 816 Profit = $\underline{\quad}$	252	244	246	237
83	25% of 12 = $\underline{\quad}$	4	3	0	10
84	$48 \times \underline{\quad} = 288$	15	7	12	6
85	$67 \times 10 = \underline{\quad}$	671	670	660	672
86	Find the HCF of 24, 12 = $\underline{\quad}$	18	19	12	13
87	Half of 860 = $\underline{\quad}$	422	433	436	430
88	$920 + 900 = \underline{\quad}$	1821	1820	1827	1829
89	Multiple of 76 = $\underline{\quad}$	158, 462, 537	154, 457, 533	160, 465, 540	152, 456, 532
90	Cube Root of 12167 = $\underline{\quad}$	31	23	21	33
91	Remainder of $302 \div 27 = \underline{\quad}$	5	9	7	8
92	$405 \times 5 = \underline{\quad}$	2205	2015	2032	2025
93	Remainder of $70 \div 5 = \underline{\quad}$	7	6	0	1
94	Find the LCM of 74 and 66 ?	2445	2450	2442	2451
95	Find the HCF of 80, 18 = $\underline{\quad}$	2	9	10	11
96	Cube Root of 27000 = $\underline{\quad}$	37	21	50	30
97	25, 43, 63, 27, 42 Mean = $\underline{\quad}$	41	35	45	40
98	$416 \times 9 = \underline{\quad}$	3749	3744	3474	3747
99	Multiple of 68 = $\underline{\quad}$	275, 477, 547	278, 482, 548	272, 476, 544	279, 483, 553
100	Half of 8126 = $\underline{\quad}$	4071	4063	4056	4072