



## Global Mental Math Olympiad 2024

### Question Bank 2-Answer Key

#### Zen Master Challenge

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Half of 6428 = _	3207	3206	3211	3214
2	Cost price = 645, Selling Price = 328 Loss = _	316	326	324	317
3	Double of 26 + Double of 78 = _	217	210	198	208
4	$\sqrt{1225}$ = _	43	30	35	25
5	874 / 46 Quotient = _	19	29	28	23
6	18 : 354 = _	3:59	9:61	8:60	4:62
7	92 + 78 - 58 = _	112	114	102	119
8	656 + 46 - 27 = _	683	676	675	678
9	14, 80, 33, 28, 80 Mean = _	46	43	49	47
10	510 / 3 Quotient = _	160	170	177	176
11	28 + 24 - 16 = _	44	45	36	37
12	7872 - 501 = _	7371	7361	7373	7372
13	9007 - 675 = _	8341	8332	8334	8339
14	244 + 315 = _	564	559	560	549
15	48, 27, 72 Mean = _	55	51	42	49
16	Double of 91 + Half of 138 = _	257	259	251	252
17	$(42 + 69) \times (33 + 95)$ = _	14212	14215	14198	14208
18	Prime Factors of 30 = _	4, 8	7, 9	2, 3, 5	10, 12
19	Remainder of 93 / 8 = _	6	10	5	3
20	$6 \times 6 \times 5$ = _	181	180	170	184
21	$49 \times 57$ = _	2783	2798	2793	2794
22	Cube Root of 59319 = _	43	29	31	39
23	883 + 92 = _	978	984	975	976
24	50% of 58 = _	32	29	24	28
25	Half of 5056 = _	2526	2530	2537	2528



26	Multiple of 70 = _	352, 422, 423	350, 420, 490	357, 428, 499	354, 425, 426
27	$388 \times 2 =$ _	776	779	766	777
28	$549 + 78 - 32 =$ _	596	585	595	599
29	Cube Root of 13824 = _	23	24	34	28
30	Cost price = 664, Selling Price = 1096 Profit = _	435	434	422	432
31	Find the LCM of 56 and 88 ?	613	625	618	616
32	20% of 915 = _	178	185	183	175
33	$73 \times 95 =$ _	6936	6940	6939	6935
34	65% of 400 = _	264	260	251	265
35	$34 \times 95 =$ _	3320	3220	3234	3230
36	Cube Root of 15625 = _	25	30	26	15
37	59, 25, 71, 62, 68 Mean = _	57	52	65	48
38	80, 79, 64, 38, 74 Mean = _	64	76	72	67
39	$196 + 419 =$ _	618	615	616	617
40	Prime Factors of 48 = _	2, 2, 2, 2, 3	9, 10, 11	3, 4, 5, 6	6, 8, 9
41	$49 : 35 =$ _	14:13	9:7	7:5	10:13
42	Triple of 524 = _	1576	1577	1572	1562
43	$6.59 + 7.135 =$ _	13.715	13.735	13.725	22.725
44	$351 + 57 - 4 =$ _	408	406	444	404
45	Find the HCF of 87, 90 = _	8	3	5	10
46	Double of 11 + Half of 56 = _	50	40	52	53
47	$4080 / 5$ Quotient = _	822	716	817	816
48	Find the LCM of 69 and 46 ?	147	138	142	131
49	$14 : 49 =$ _	8:15	3:14	11:11	2:7
50	Double of 76 + Half of 38 = _	172	173	177	171



51	$762 + 27 - 6 = \underline{\quad}$	788	784	783	773
52	Prime Factors of 135 = $\underline{\quad}$	10, 12, 14	7, 11	3, 3, 3, 5	4, 5, 7
53	$\sqrt{1600} = \underline{\quad}$	46	42	40	30
54	Half of 8066 = $\underline{\quad}$	4038	4039	4033	4031
55	Cost price = 786, Selling Price = 235 Loss = $\underline{\quad}$	547	541	550	551
56	Find the LCM of 97 and 27 ?	2619	2612	2622	2615
57	Double of 80 + Half of 154 = $\underline{\quad}$	241	245	237	244
58	Find the HCF of 16, 87 = $\underline{\quad}$	1	4	3	2
59	$56 : 104 = \underline{\quad}$	12:21	12:15	12:18	7:13
60	$330 / 6$ Quotient = $\underline{\quad}$	60	45	56	55
61	Remainder of $192 / 93 = \underline{\quad}$	4	13	6	7
62	$48 \times 57 = \underline{\quad}$	2737	2736	2741	2738
63	$3102 / 6$ Quotient = $\underline{\quad}$	526	519	517	507
64	$58 - 28 - 18 = \underline{\quad}$	12	13	14	20
65	$82 \times 41 = \underline{\quad}$	3352	3362	3363	3369
66	$\sqrt{3136} = \underline{\quad}$	54	66	62	56
67	$867 + 777 + 795 = \underline{\quad}$	2441	2349	2448	2439
68	$85 - 53 - 10 = \underline{\quad}$	23	22	29	31
69	Remainder of $475 / 39 = \underline{\quad}$	8	7	15	9
70	$687 - 37 = \underline{\quad}$	640	650	656	651
71	$84^2 = \underline{\quad}$	7060	7056	7053	7057
72	Prime Factors of 706 = $\underline{\quad}$	8, 358	10, 360	2, 353	4, 355
73	$773 \times 5 = \underline{\quad}$	3685	3865	3867	3871
74	$238 / 17$ Quotient = $\underline{\quad}$	18	17	15	14
75	6% of 150 = $\underline{\quad}$	9	2	1	8



76	$(11 + 63) \times (99 + 58) = \_$	11618	11620	11622	11608
77	Find the HCF of 42, 56 = $\_$	14	20	18	12
78	$295 + 64 = \_$	368	360	349	359
79	Half of 892 = $\_$	442	444	446	450
80	$35 \times \_ = 105$	12	3	11	5
81	Cube Root of 29791 = $\_$	21	24	31	40
82	$\sqrt{3844} = \_$	60	68	59	62
83	$817 - 52 = \_$	765	755	773	766
84	$146 - 87 + 5 = \_$	71	73	65	64
85	Multiple of 55 = $\_$	170, 226, 390	165, 220, 385	168, 223, 387	173, 227, 394
86	Multiple of 97 = $\_$	194, 485, 873	202, 494, 882	199, 490, 879	196, 487, 876
87	$84 \times \_ = 420$	10	6	5	11
88	$883 - 91 + 1 = \_$	783	795	793	794
89	24, 38, 49 Mean = $\_$	39	37	38	28
90	$885 - 33 + 27 = \_$	880	879	886	881
91	50% of 42 = $\_$	13	23	21	24
92	Prime Factors of 866 = $\_$	2, 433	8, 438	3, 434	9, 441
93	Double of 326 = $\_$	661	650	659	652
94	$2.21 + 2.433 = \_$	4.633	4.643	9.643	13.643
95	$31^2 = \_$	958	952	961	959
96	Cost price = 208, Selling Price = 68 Loss = $\_$	139	148	140	142
97	$152 - 83 + 50 = \_$	122	120	119	126
98	$292 + 917 + 975 = \_$	2174	2186	2185	2184
99	Half of 4840 = $\_$	2412	2420	2419	2413
100	$80 \times \_ = 720$	15	12	10	9