



Mental Math World Cup 2026

Practice Sheet 3-Answer Key

Grandmaster Category

(Ages 12 & Above)

Section 1

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$17 + 5 - 1 = _$	21	22	16	12
2	$24 + 9 - 4 = _$	29	26	38	34
3	$30 + 7 - 4 = _$	34	33	28	31
4	$30 + 9 - 4 = _$	40	39	37	35
5	$58 + 7 - 1 = _$	59	64	69	60
6	$63 + 6 - 2 = _$	75	58	76	67
7	$62 + 9 - 1 = _$	64	75	60	70
8	$69 + 3 - 1 = _$	71	65	79	63
9	$95 + 7 - 5 = _$	88	97	100	96
10	$97 + 9 - 8 = _$	104	95	101	98
11	$26 - 9 - 6 = _$	11	9	17	13
12	$25 - 8 - 5 = _$	16	12	13	17
13	$31 - 1 - 1 = _$	28	23	29	20
14	$44 - 7 - 4 = _$	39	38	33	41
15	$48 - 6 - 4 = _$	41	32	29	38
16	$62 - 6 - 4 = _$	45	44	49	52
17	$76 - 7 - 7 = _$	57	61	62	64
18	$88 - 4 - 3 = _$	78	79	81	85
19	$91 - 6 - 2 = _$	76	93	83	78
20	$99 - 5 - 2 = _$	84	99	85	92



Section 2

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$16 + 43 = _$	53	59	61	54
2	$50 + 23 = _$	77	73	70	83
3	$58 + 45 = _$	107	103	93	96
4	$93 + 17 = _$	102	106	115	110
5	$46 + 73 = _$	123	127	119	110
6	$52 + 72 = _$	123	133	124	134
7	$54 + 84 = _$	132	138	137	143
8	$99 + 43 = _$	141	143	142	146
9	$93 + 71 = _$	154	163	164	168
10	$91 + 85 = _$	176	186	181	178

Section 3

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$58 + 56 - 51 = _$	72	63	58	70
2	$73 + 39 - 38 = _$	74	73	64	79
3	$88 + 16 - 11 = _$	92	97	94	93
4	$56 + 52 - 13 = _$	95	99	93	103
5	$95 + 70 - 65 = _$	109	108	100	101
6	$89 + 56 - 33 = _$	113	112	104	107
7	$85 + 50 - 20 = _$	115	124	122	109
8	$94 + 71 - 47 = _$	113	118	128	111
9	$91 + 74 - 39 = _$	131	126	125	116
10	$94 + 81 - 31 = _$	142	144	135	152
11	$94 - 86 - 7 = _$	8	1	11	4
12	$60 - 45 - 13 = _$	2	15	9	1
13	$70 - 50 - 18 = _$	1	2	20	4
14	$47 - 41 - 3 = _$	6	7	3	0
15	$75 - 46 - 23 = _$	6	0	29	15
16	$62 - 42 - 12 = _$	16	8	2	6
17	$92 - 64 - 13 = _$	8	6	15	22
18	$65 - 27 - 19 = _$	18	20	19	14
19	$76 - 35 - 10 = _$	38	34	31	26
20	$85 - 18 - 13 = _$	57	64	48	54



Section 4

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Double of 19 + Half of 28 = _	62	52	49	55
2	Double of 18 + Half of 36 = _	44	45	52	54
3	Double of 15 + Half of 78 = _	71	65	69	79
4	Double of 37 + Half of 70 = _	103	117	109	111
5	Double of 37 + Half of 82 = _	110	108	107	115
6	Double of 51 + Half of 42 = _	114	121	113	123
7	Double of 48 + Half of 82 = _	145	136	147	137
8	Double of 64 + Half of 66 = _	170	164	168	161
9	Double of 74 + Half of 78 = _	195	182	189	187
10	Double of 90 + Half of 82 = _	211	221	220	218
11	Double of 12 = _	24	22	29	33
12	Double of 32 = _	70	69	64	67
13	Double of 47 = _	91	101	94	96
14	Double of 50 = _	93	100	107	110
15	Double of 65 = _	130	126	123	134
16	Double of 83 = _	159	166	162	157
17	Double of 88 = _	179	184	181	176
18	Double of 92 = _	178	184	192	189
19	Double of 94 = _	188	182	189	191
20	Double of 97 = _	188	204	194	193

Section 5

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Half of 132 = _	74	71	66	63
2	Half of 144 = _	74	82	69	72
3	Half of 264 = _	140	138	139	132
4	Half of 316 = _	164	150	152	158
5	Half of 386 = _	190	195	193	198
6	Half of 472 = _	236	235	240	246
7	Half of 592 = _	304	299	291	296
8	Half of 820 = _	401	410	419	409
9	Half of 858 = _	432	426	429	433
10	Half of 890 = _	455	445	451	446



11	Double of 125 = _	260	253	252	250
12	Double of 133 = _	269	268	272	266
13	Double of 197 = _	386	387	393	394
14	Double of 328 = _	652	656	659	653
15	Double of 505 = _	1014	1001	1010	1012
16	Double of 551 = _	1092	1096	1102	1094
17	Double of 617 = _	1238	1237	1234	1243
18	Double of 875 = _	1752	1758	1751	1750
19	Double of 906 = _	1803	1806	1816	1812
20	Double of 925 = _	1842	1856	1848	1850

Section 6

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Double of 16 + Half of 186 = _	131	125	135	128
2	Double of 36 + Half of 110 = _	127	132	122	135
3	Double of 22 + Half of 184 = _	132	136	127	134
4	Double of 47 + Half of 134 = _	164	161	153	162
5	Double of 43 + Half of 190 = _	185	182	181	180
6	Double of 51 + Half of 182 = _	193	202	187	185
7	Double of 88 + Half of 114 = _	237	233	242	232
8	Double of 77 + Half of 170 = _	248	244	245	239
9	Double of 77 + Half of 184 = _	249	246	241	251
10	Double of 90 + Half of 188 = _	278	265	274	266
11	Double of 11 + Double of 35 = _	92	95	100	85
12	Double of 57 + Double of 33 = _	181	182	190	180
13	Double of 56 + Double of 35 = _	182	187	173	192
14	Double of 48 + Double of 49 = _	203	186	190	194
15	Double of 88 + Double of 20 = _	216	220	215	208
16	Double of 24 + Double of 99 = _	239	246	253	238
17	Double of 91 + Double of 32 = _	246	255	252	236
18	Double of 89 + Double of 40 = _	263	267	259	258
19	Double of 76 + Double of 74 = _	300	299	293	304
20	Double of 79 + Double of 98 = _	354	348	363	357



Section 7

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Triple of 22 = _	66	72	69	60
2	Triple of 35 = _	96	100	105	110
3	Triple of 53 = _	159	156	166	150
4	Triple of 54 = _	162	167	172	163
5	Triple of 74 = _	212	222	217	221

Section 8

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Triple of 172 = _	512	526	509	516
2	Triple of 477 = _	1431	1441	1438	1440
3	Triple of 656 = _	1971	1966	1968	1967
4	Triple of 688 = _	2060	2071	2064	2063
5	Triple of 721 = _	2162	2163	2168	2157

Section 9

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	16, 38, 27 Mean = _	34	27	22	17
2	10, 38, 39 Mean = _	30	34	20	29
3	15, 26, 97 Mean = _	40	49	43	46
4	68, 90, 40 Mean = _	68	66	65	58
5	64, 50, 90 Mean = _	68	71	77	74
6	85, 66, 71 Mean = _	75	78	74	68
7	97, 77, 57 Mean = _	77	80	74	79
8	39, 47, 66, 11, 37 Mean = _	38	32	37	40
9	20, 11, 36, 85, 83 Mean = _	48	38	43	47
10	84, 15, 65, 28, 53 Mean = _	49	45	47	40
11	91, 61, 38, 31, 64 Mean = _	57	60	48	51
12	64, 72, 73, 55, 21 Mean = _	60	57	66	52
13	61, 62, 28, 82, 92 Mean = _	73	63	65	72
14	51, 97, 44, 47, 96 Mean = _	71	63	67	64
15	Half of 2668 = _	1344	1334	1336	1328
16	Half of 3992 = _	1986	2006	1996	1990
17	Half of 6716 = _	3355	3362	3358	3361
18	Half of 3536 = _	1764	1761	1768	1766
19	Half of 8664 = _	4324	4336	4333	4332



Section 10

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Cost price = 207, Selling Price = 305 Profit = __	90	91	92	98
2	Cost price = 215, Selling Price = 66 Loss = __	141	147	149	139
3	Cost price = 491, Selling Price = 240 Loss = __	251	252	255	247
4	Cost price = 867, Selling Price = 563 Loss = __	305	298	304	308
5	Cost price = 908, Selling Price = 381 Loss = __	523	522	527	531
6	Cost price = 917, Selling Price = 357 Loss = __	554	552	560	568
7	Cost price = 987, Selling Price = 424 Loss = __	564	565	561	563
8	Cost price = 456, Selling Price = 255 Loss = __	211	201	194	193
9	Cost price = 472, Selling Price = 231 Loss = __	249	241	250	238
10	Cost price = 572, Selling Price = 881 Profit = __	307	312	309	306
11	Cost price = 761, Selling Price = 289 Loss = __	481	468	466	472
12	Cost price = 689, Selling Price = 192 Loss = __	497	504	498	501
13	Cost price = 893, Selling Price = 357 Loss = __	536	543	545	528
14	Cost price = 929, Selling Price = 334 Loss = __	591	604	595	590

Section 11

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$1^2 = _$	5	1	6	2
2	$4^2 = _$	9	15	16	10
3	$5^2 = _$	31	32	26	25
4	$7^2 = _$	55	58	49	53
5	$9^2 = _$	87	81	80	89
6	$14^2 = _$	199	198	190	196
7	$22^2 = _$	486	476	493	484
8	$27^2 = _$	726	724	729	735



9	$31^2 = _$	954	961	968	962
10	$34^2 = _$	1165	1156	1147	1148
11	$35^2 = _$	1219	1231	1225	1230
12	$41^2 = _$	1688	1682	1674	1681
13	$60^2 = _$	3606	3600	3594	3601
14	$82^2 = _$	6732	6723	6724	6718
15	$99^2 = _$	9791	9802	9801	9799

Section 12

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$419 + 71 - 6 = _$	493	484	477	491
2	$651 + 31 - 2 = _$	674	685	672	680
3	$732 + 10 - 8 = _$	734	739	737	741
4	$678 + 77 - 1 = _$	754	749	763	744
5	$958 + 39 - 1 = _$	987	999	996	997
6	$263 - 58 + 8 = _$	213	204	222	223
7	$309 - 28 + 9 = _$	285	283	286	290
8	$710 - 77 + 2 = _$	643	625	635	631
9	$856 - 87 + 8 = _$	776	775	777	784
10	$916 - 87 + 7 = _$	829	836	838	843

Section 13

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$80 \times _ = 160$	10	4	6	2
2	$69 \times _ = 138$	69	0	2	138
3	$71 \times _ = 142$	71	1	8	2
4	$12 \times _ = 24$	2	11	12	1
5	$11 \times _ = 44$	1	10	4	7
6	$47 \times _ = 188$	4	14	9	10
7	$82 \times _ = 574$	5	3	7	16
8	$86 \times _ = 688$	8	15	5	2
9	$71 \times _ = 639$	9	6	19	12
10	$79 \times _ = 711$	4	9	1	17



Section 14

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$2 \times 2 \times 7 = _$	28	37	27	21
2	$6 \times 6 \times 1 = _$	37	29	36	44
3	$7 \times 7 \times 1 = _$	57	49	42	52
4	$6 \times 9 \times 1 = _$	51	53	54	59
5	$3 \times 3 \times 6 = _$	60	52	46	54
6	$5 \times 4 \times 3 = _$	62	66	68	60
7	$8 \times 3 \times 5 = _$	123	120	112	118
8	$5 \times 5 \times 5 = _$	118	125	120	116
9	$2 \times 8 \times 9 = _$	152	144	139	136
10	$5 \times 9 \times 5 = _$	235	233	225	227

Section 15

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$39 \times 15 = _$	587	577	579	585
2	$31 \times 20 = _$	620	624	613	623
3	$46 \times 36 = _$	1648	1656	1661	1663
4	$33 \times 60 = _$	1985	1990	1984	1980
5	$23 \times 91 = _$	2090	2093	2087	2099
6	$34 \times 71 = _$	2414	2421	2424	2409
7	$49 \times 51 = _$	2495	2499	2496	2497
8	$93 \times 31 = _$	2878	2883	2891	2877
9	$72 \times 48 = _$	3456	3446	3448	3454
10	$70 \times 54 = _$	3780	3771	3790	3774
11	$\sqrt{100} = _$	10	6	13	20
12	$\sqrt{361} = _$	19	23	14	18
13	$\sqrt{441} = _$	13	30	17	21
14	$\sqrt{729} = _$	20	27	24	31
15	$\sqrt{900} = _$	39	30	32	23
16	$\sqrt{1681} = _$	34	41	48	36
17	$\sqrt{1764} = _$	42	52	39	47
18	$\sqrt{2809} = _$	44	47	50	53
19	$\sqrt{2916} = _$	58	49	51	54
20	$\sqrt{3025} = _$	55	56	53	46



21	$\sqrt{4225} = _$	58	65	68	72
22	$\sqrt{5929} = _$	81	83	84	77
23	$\sqrt{8836} = _$	102	94	88	99
24	$\sqrt{9604} = _$	103	108	98	95
25	$\sqrt{9801} = _$	106	99	97	109

Section 16

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Cube Root of 21952 = $_$	33	23	28	37
2	Cube Root of 29791 = $_$	41	30	27	31
3	Cube Root of 35937 = $_$	26	28	33	41
4	Cube Root of 42875 = $_$	41	35	44	43
5	Cube Root of 46656 = $_$	38	27	36	41
6	Cube Root of 50653 = $_$	32	42	37	29
7	Cube Root of 68921 = $_$	41	49	38	50
8	Cube Root of 79507 = $_$	43	36	50	41
9	Cube Root of 97336 = $_$	39	46	56	42

Section 17

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$106 + 58 = _$	173	164	154	169
2	$238 + 61 = _$	297	307	299	295
3	$606 + 15 = _$	618	621	625	611
4	$648 + 41 = _$	692	682	680	689
5	$923 + 25 = _$	949	952	947	948
6	$177 - 48 = _$	133	134	129	127
7	$607 - 19 = _$	596	588	578	582
8	$751 - 99 = _$	652	658	660	645
9	$905 - 78 = _$	821	827	829	818
10	$992 - 95 = _$	897	900	896	904



Section 18

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$189 + 170 = \underline{\quad}$	364	367	363	359
2	$288 + 434 = \underline{\quad}$	716	712	722	732
3	$461 + 456 = \underline{\quad}$	909	922	925	917
4	$859 + 371 = \underline{\quad}$	1230	1225	1233	1229
5	$720 + 619 = \underline{\quad}$	1330	1332	1339	1329
6	$104 - 51 + 18 = \underline{\quad}$	71	77	65	69
7	$333 - 88 + 56 = \underline{\quad}$	291	298	301	300
8	$545 - 86 + 43 = \underline{\quad}$	505	492	512	502
9	$606 - 46 + 37 = \underline{\quad}$	596	597	587	601
10	$799 - 55 + 15 = \underline{\quad}$	760	768	758	759
11	$142 + 33 - 15 = \underline{\quad}$	153	156	158	160
12	$207 + 53 - 46 = \underline{\quad}$	211	205	220	214
13	$173 + 96 - 31 = \underline{\quad}$	238	233	240	241
14	$465 + 86 - 77 = \underline{\quad}$	467	479	474	475
15	$453 + 89 - 36 = \underline{\quad}$	504	506	510	505

Section 19

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$2965 - 655 = \underline{\quad}$	2305	2310	2308	2304
2	$3869 - 276 = \underline{\quad}$	3593	3595	3592	3596
3	$5334 - 458 = \underline{\quad}$	4867	4875	4876	4877
4	$6221 - 454 = \underline{\quad}$	5767	5770	5768	5763
5	$8410 - 928 = \underline{\quad}$	7482	7491	7484	7488

Section 20

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$200 + 728 + 185 = \underline{\quad}$	1113	1107	1117	1122
2	$754 + 440 + 179 = \underline{\quad}$	1371	1373	1366	1381
3	$553 + 625 + 252 = \underline{\quad}$	1437	1430	1433	1439
4	$277 + 887 + 427 = \underline{\quad}$	1583	1595	1591	1592
5	$858 + 786 + 125 = \underline{\quad}$	1764	1769	1762	1760



Section 21

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$(63 + 26) \times (35 + 34) = _$	6139	6137	6151	6141
2	$(36 + 26) \times (68 + 37) = _$	6517	6510	6518	6502
3	$(56 + 83) \times (22 + 51) = _$	10154	10147	10152	10157
4	$(75 + 68) \times (50 + 63) = _$	16159	16154	16162	16156
5	$(98 + 30) \times (95 + 77) = _$	22014	22016	22010	22024

Section 22

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Multiple of 53 = $_$	108, 267, 427	112, 269, 430	115, 273, 433	106, 265, 424
2	Multiple of 67 = $_$	134, 201, 402	136, 202, 403	140, 206, 407	141, 210, 410
3	Multiple of 89 = $_$	181, 626, 802	178, 623, 801	184, 629, 807	186, 630, 808
4	Multiple of 90 = $_$	453, 543, 811	457, 547, 818	456, 546, 816	450, 540, 810
5	Multiple of 27 = $_$	55, 111, 136	59, 60, 113	54, 108, 135	62, 63, 116

Section 23

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Find the LCM of 14 and 96 ?	674	678	666	672
2	Find the LCM of 30 and 37 ?	1105	1100	1114	1110
3	Find the LCM of 42 and 62 ?	1302	1299	1294	1312
4	Find the LCM of 80 and 42 ?	1675	1680	1684	1674
5	Find the LCM of 51 and 38 ?	1935	1934	1928	1938
6	Find the LCM of 78 and 25 ?	1945	1950	1955	1943
7	Find the LCM of 96 and 46 ?	2205	2208	2211	2216
8	Find the LCM of 52 and 49 ?	2545	2555	2540	2548
9	Find the LCM of 44 and 63 ?	2782	2769	2772	2779
10	Find the LCM of 76 and 89 ?	6764	6765	6766	6763



Section 24

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Find the HCF of 38, 21 = _	1	5	4	9
2	Find the HCF of 54, 38 = _	9	2	5	4
3	Find the HCF of 80, 62 = _	4	3	7	2
4	Find the HCF of 30, 63 = _	4	5	3	2
5	Find the HCF of 65, 75 = _	5	10	2	3

Section 25

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$112 / 7 = _$	6	25	16	20
2	$168 / 7 = _$	16	24	18	31
3	$270 / 9 = _$	30	20	39	37
4	$427 / 7 = _$	65	55	61	66
5	$942 / 2 = _$	475	474	480	471

Section 26

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Remainder of $15 / 1 = _$	1	7	6	0
2	Remainder of $76 / 3 = _$	0	2	1	5
3	Remainder of $80 / 6 = _$	2	4	3	5
4	Remainder of $19 / 4 = _$	2	1	5	3
5	Remainder of $44 / 9 = _$	7	8	6	5
6	Remainder of $723 / 20 = _$	7	3	10	19
7	Remainder of $377 / 20 = _$	17	27	12	13
8	Remainder of $309 / 36 = _$	30	12	21	20
9	Remainder of $381 / 84 = _$	45	55	54	52
10	Remainder of $372 / 77 = _$	58	64	54	59



Section 27

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	5% of 20 = _	2	0	1	5
2	25% of 52 = _	9	3	12	13
3	20% of 85 = _	18	17	12	16
4	25% of 72 = _	19	10	26	18
5	25% of 92 = _	23	21	22	13
6	50% of 46 = _	27	33	23	31
7	50% of 82 = _	39	49	41	42
8	50% of 98 = _	45	59	55	49
9	50% of 158 = _	88	85	79	70
10	25% of 516 = _	123	120	138	129
11	20% of 665 = _	133	131	125	138
12	25% of 536 = _	143	124	142	134
13	25% of 552 = _	147	133	138	137
14	50% of 302 = _	151	159	153	147
15	50% of 718 = _	349	360	359	352
16	50% of 742 = _	371	377	369	366

Section 28

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Prime Factors of 88 = _	3, 5, 13	7, 8, 16	9, 11, 19	2, 2, 2, 11
2	Prime Factors of 48 = _	3, 4, 5	2, 2, 2, 2, 3	7, 8	9, 10
3	Prime Factors of 62 = _	5, 33	7, 36	2, 31	9, 40
4	Prime Factors of 81 = _	3, 3, 3, 3	5, 6	7, 8, 9	10, 12
5	Prime Factors of 21 = _	5, 8	8, 12	3, 7	10, 15
6	Prime Factors of 204 = _	2, 2, 3, 17	4, 5, 6, 19	6, 7, 23	9, 10, 11, 24
7	Prime Factors of 970 = _	3, 7, 99	2, 5, 97	8, 9, 103	9, 13, 105
8	Prime Factors of 826 = _	4, 8, 62	6, 11, 63	10, 14, 67	2, 7, 59
9	Prime Factors of 854 = _	4, 10, 62	6, 12, 65	11, 16, 69	2, 7, 61
10	Prime Factors of 707 = _	10, 102	13, 107	7, 101	14, 109



Section 29

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$88 : 776 = _$	11:97	20:99	17:100	12:106
2	$12 : 138 = _$	4:24	2:23	8:26	3:25
3	$15 : 185 = _$	11:39	7:39	3:37	11:38
4	$18 : 366 = _$	8:67	3:61	10:70	10:62
5	$40 : 824 = _$	10:106	5:103	8:111	11:104
6	$55 : 15 = _$	13:7	13:4	13:5	11:3
7	$77 : 35 = _$	12:8	20:6	18:11	11:5
8	$21 : 35 = _$	7:8	11:10	3:5	6:8
9	$40 : 88 = _$	10:17	8:13	5:11	9:17
10	$45 : 18 = _$	12:7	13:11	5:2	7:3

Section 30

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$96 / 48 = _$	12	2	9	8
2	$544 / 32 = _$	17	27	7	20
3	$288 / 16 = _$	21	12	18	16
4	$486 / 18 = _$	23	25	26	27
5	$564 / 12 = _$	55	39	42	47