Global Mental Math Olympiad 2023

Practice Sheet 2

Master Category (Ages 9-11)

Section 1

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	9 + 8 + 6 = _	22	23	24	17
2	6 + 2 + 1 = _	19	4	18	9
3	4 + 9 + 3 = _	16	19	9	22
4	4 + 2 + 1 = _	7	2	1	8
5	2 + 1 + 7 = _	10	16	13	18
6	5 + 3 - 3 = _	0	5	2	6
7	9 + 6 - 5 = _	4	10	18	17
8	9 + 8 - 1 = _	8	18	16	6
9	8 + 7 - 5 = _	10	12	18	9
10	6 + 3 - 2 = _	9	7	4	10

Section 2

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	55 + 9 = _	72	71	66	64
2	85 + 4 = _	84	99	89	91
3	97 + 8 = _	110	115	105	106
4	81 + 7 = _	88	86	79	98
5	24 + 1 = _	35	30	25	16
6	86 - 7 = _	87	75	79	85
7	83 - 2 = _	80	81	87	78
8	23 - 5 = _	18	19	8	20
9	59 - 8 = _	47	51	53	59
10	58 - 8 = _	52	58	46	50

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1

Section 3

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Double of 2 + Half of 98 = _	59	53	63	44
2	Double of 3 + Half of 10 = _	11	5	13	1
3	Double of 3 + Half of 6 = _	9	17	15	5
4	Double of 2 + Half of 64 = _	36	26	33	38
5	Double of 6 + Half of 88 = _	56	54	60	55

Section 4

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Half of 30 - Double of 6 = _	4	12	3	0
2	Half of 62 - Double of 7 = _	17	22	14	27
3	Half of 44 - Double of 6 = _	2	8	10	7
4	Half of 44 - Double of 4 = _	14	15	6	18
5	Half of 58 - Double of 1 = _	17	27	34	18

Section 5

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	94 + 6 + 3 = _	104	99	103	109
2	63 + 5 + 9 = _	72	80	77	86
3	40 + 9 + 8 = _	57	59	63	65
4	64 + 7 + 3 = _	74	77	72	80
5	86 + 9 + 7 = _	92	102	108	94
6	72 + 7 - 2 = _	77	78	81	80
7	43 + 8 - 6 = _	38	45	36	35
8	72 + 8 - 3 = _	67	80	84	77
9	87 + 8 - 1 = _	91	98	94	97
10	38 + 5 - 4 = _	39	47	38	44
11	32 - 5 + 3 = _	30	20	27	25
12	49 - 7 + 1 = _	43	35	52	33
13	22 - 5 + 2 = _	11	19	10	21
14	22 - 3 + 3 = _	15	26	28	22
15	38 - 8 + 5 = _	39	26	35	41

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Section 6

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	39 x 100 = _	3895	3900	3907	3904
2	48 x 100 = _	4808	4798	4806	4800
3	35 x 100 = _	3500	3507	3492	3509
4	40 x 100 = _	4007	4006	4005	4000
5	29 x 100 = _	2900	2906	2890	2896

Section 7

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	21 x 3 x _ = 0	63	0	9	6
2	51 x 1 x _ = 0	2	0	8	7
3	28 x 7 x _ = 0	196	1	0	10
4	35 x 6 x _ = 0	210	3	0	5
5	18 x 3 x _ = 0	54	18	3	0
6	39 x 2 x 0 = _	4	78	0	39
7	46 x 5 x 0 = _	7	9	6	0
8	66 x 7 x 0 = _	466	66	4	0
9	66 x 6 x 0 = _	396	66	0	6
10	52 x 8 x 0 = _	416	52	0	6

Section 8

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	7^2 = _	45	49	50	44
2	9^2 = _	79	81	80	77
3	8^2 = _	72	64	70	60
4	1^2 = _	5	7	2	1
5	5^2 = _	25	24	30	32
6	8^3 = _	512	518	515	510
7	1^3 = _	3	5	7	1
8	5^3 = _	129	128	115	125
9	4^3 = _	54	62	67	64
10	$3^3 + 5^2 + 4^2$ = _	61	68	75	60
11	$9^3 + 4^2 + 2^2$ = _	749	755	757	748
12	$2^3 + 9^2 + 9^2$ = _	170	166	167	177

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3

13	$2^3 + 7^2 + 4^2 = \_$	83	73	79	80
14	$6^3 + 2^2 + 2^2 = \_$	224	217	232	231
15	$8^2 + 4^2 - 4^2 = \_$	57	64	73	72
16	$8^2 + 7^2 - 6^2 = \_$	86	81	87	77
17	$7^2 + 4^2 - 2^2 = \_$	58	61	69	68
18	$6^2 + 4^2 - 3^2 = \_$	42	44	35	43
19	$4^2 + 2^2 - 1^2 = \_$	19	22	13	12
20	$6^3 + 6^2 - 1^2 = \_$	241	254	251	259
21	$7^3 + 8^2 - 8^2 = \_$	341	342	339	343
22	$5^3 + 6^2 - 5^2 = \_$	143	139	129	136
23	$9^3 + 9^2 - 1^2 = \_$	809	801	816	813
24	$8^3 + 6^2 - 3^2 = \_$	538	539	547	542

Section 9

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Double of 66 - Half of 22 = _	120	121	114	131
2	Double of 70 - Half of 36 = _	113	122	120	129
3	Double of 28 - Half of 6 = _	53	43	56	59
4	Double of 95 - Half of 26 = _	179	177	169	183
5	Double of 82 - Half of 34 = _	147	149	146	137

Section 10

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	(9 + 1) x (3 + 9) = _	114	130	129	120
2	(8 + 5) x (1 + 3) = _	52	62	46	53
3	(7 + 5) x (6 + 9) = _	188	180	173	190
4	(7 + 8) x (1 + 8) = _	135	143	125	128
5	(1 + 2) x (8 + 2) = _	25	30	33	28

Section 11

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Triple of 23 = _	73	76	69	74
2	Triple of 68 = _	203	204	196	207
3	Triple of 33 = _	96	92	106	99
4	Triple of 56 = _	160	170	168	163
5	Triple of 13 = _	44	45	46	39

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Section 12

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Half of 712 = _	358	346	350	356
2	Half of 362 = _	173	181	190	188
3	Half of 334 = _	165	167	163	169
4	Half of 256 = _	134	124	122	128
5	Half of 854 = _	421	420	427	422
6	Double of 53 + Triple of 3 = _	107	124	115	106
7	Double of 60 + Triple of 3 = _	129	128	136	131
8	Double of 43 + Triple of 4 = _	88	96	105	98
9	Double of 27 + Triple of 2 = _	69	57	60	70
10	Double of 63 + Triple of 9 = _	153	150	154	148
11	Double of 17 + Half of 28 = _	48	43	46	47
12	Double of 20 + Half of 62 = _	71	75	74	70
13	Double of 44 + Half of 94 = _	125	135	127	145
14	Double of 83 + Half of 40 = _	176	194	186	184
15	Double of 11 + Half of 66 = _	54	48	55	56

Section 13

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	50 x 10 = _	490	502	500	497
2	40 x 10 = _	400	396	409	404
3	76 x 10 = _	760	754	768	756
4	10 x 10 = _	100	90	98	94
5	65 x 10 = _	653	659	650	656
6	25 x 10 = _	252	260	243	250
7	75 x 10 = _	750	746	743	753
8	41 x 10 = _	401	420	408	410
9	32 x 10 = _	321	320	314	325
10	99 x 10 = _	983	990	996	1000
11	35 x 2 = _	70	69	63	67
12	25 x 7 = _	178	180	175	176
13	45 x 9 = _	406	395	405	410
14	30 x 7 = _	216	207	200	210
15	10 x 7 = _	62	69	73	70
16	35 x 3 = _	105	95	113	96
17	15 x 3 = _	51	36	50	45

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5

18	10 x 9 = _	87	99	91	90
19	30 x 3 = _	100	90	99	82
20	35 x 6 = _	210	216	217	218
21	16 x 9 = _	145	138	152	144
22	88 x 2 = _	186	167	176	185
23	21 x 6 = _	117	128	126	116
24	49 x 3 = _	139	138	147	155
25	14 x 5 = _	75	70	69	68
26	56 x 8 = _	448	449	457	445
27	28 x 8 = _	231	229	224	228
28	31 x 7 = _	225	214	215	217
29	88 x 8 = _	704	697	696	702
30	19 x 2 = _	37	38	45	47
31	62 x _ = 186	3	2	10	4
32	13 x _ = 26	11	1	0	2
33	14 x _ = 126	17	2	14	9
34	56 x _ = 280	9	4	14	5
35	50 x _ = 350	0	11	7	12
36	81 x _ = 729	15	17	4	9
37	36 x _ = 288	1	4	8	6
38	14 x _ = 98	7	16	10	2
39	17 x _ = 34	17	16	1	2
40	67 x _ = 402	16	6	16	7

Section 14

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	94 + 43 = _	134	129	145	137
2	94 + 22 = _	108	106	116	126
3	51 + 10 = _	66	60	61	65
4	20 + 68 = _	88	83	86	89
5	18 + 57 = _	65	75	71	69
6	19 - 14 = _	1	5	0	33
7	80 - 80 = _	10	0	5	6
8	29 - 20 = _	8	14	3	9
9	67 - 60 = _	11	3	127	7
10	73 - 20 = _	57	62	53	60

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6

Section 15

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Half of 4896 = _	2449	2448	2451	2455
2	Half of 8192 = _	4096	4105	4091	4104
3	Half of 3938 = _	1965	1969	1976	1963
4	Half of 6520 = _	3269	3260	3255	3253
5	Half of 8048 = _	4020	4028	4024	4032

Section 16

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	64, 24, 65 Mean = _	56	41	51	58
2	44, 51, 79 Mean = _	66	59	55	58
3	27, 32, 64 Mean = _	50	41	40	51
4	86, 22, 87 Mean = _	55	58	62	65
5	65, 66, 52 Mean = _	60	61	62	67
6	87, 60, 15 Mean = _	52	54	56	48
7	42, 35, 58 Mean = _	40	48	39	45
8	30, 45, 18 Mean = _	31	24	41	40
9	58, 34, 49 Mean = _	42	45	52	47
10	95, 78, 34 Mean = _	73	64	69	75

Section 17

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	Cost price = 11, Selling Price = 6 Loss = _	9	13	5	4
2	Cost price = 39, Selling Price = 17 Loss = _	28	22	12	27
3	Cost price = 93, Selling Price = 142 Profit = _	52	51	41	49
4	Cost price = 73, Selling Price = 26 Loss = _	51	50	47	55
5	Cost price = 20, Selling Price = 33 Profit = _	16	12	10	13
6	Cost price = 63, Selling Price = 27 Loss = _	36	27	29	37
7	Cost price = 35, Selling Price = 58 Profit = _	33	18	15	23

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7

8	Cost price = 32, Selling Price = 11 Loss = _	28	21	27	22
9	Cost price = 46, Selling Price = 20 Loss = _	36	26	22	21
10	Cost price = 45, Selling Price = 77 Profit = _	23	32	37	33

Section 18

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	76 / 4 Quotient = _	24	28	22	19
2	40 / 8 Quotient = _	2	9	0	5
3	86 / 2 Quotient = _	53	33	40	43
4	60 / 4 Quotient = _	15	16	23	12
5	26 / 2 Quotient = _	12	20	10	13
6	147 / 7 Quotient = _	18	21	20	30
7	684 / 2 Quotient = _	332	348	342	339
8	189 / 9 Quotient = _	21	25	29	22
9	495 / 3 Quotient = _	164	165	171	160
10	220 / 5 Quotient = _	44	40	39	34

Section 19

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	25% of 16 = _	14	4	6	3
2	50% of 54 = _	27	21	17	34
3	20% of 85 = _	20	17	14	13
4	25% of 68 = _	25	12	7	17
5	50% of 98 = _	57	49	55	54
6	25% of 28 = _	13	16	7	5
7	50% of 82 = _	46	40	43	41
8	25% of 76 = _	19	12	26	16

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8

Section 20

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	5.33 x 10 = _	57.3	55.3	59.3	53.3
2	8.55 x 10 = _	86.5	92.5	94.5	85.5
3	2.9 x 10 = _	37	29	31	35
4	9.57 x 10 = _	95.7	98.7	97.7	103.7
5	3.27 x 10 = _	34.7	33.7	32.7	38.7
6	221.07 x 100 = _	22114	22112	22106	22107
7	602.49 x 100 = _	60259	60240	60247	60249
8	778.83 x 100 = _	77891	77883	77889	77875
9	631.25 x 100 = _	63125	63133	63134	63119
10	661.32 x 100 = _	66132	66126	66125	66129
11	5.41 x 100 = _	549	547	532	541
12	4.2 x 100 = _	415	414	420	411
13	4.04 x 100 = _	395	411	400	404
14	9.02 x 100 = _	902	908	895	899
15	4.28 x 100 = _	428	438	432	433

Section 21

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	95^2 = _	9025	9020	9033	9028
2	62^2 = _	3840	3847	3851	3844
3	46^2 = _	2119	2121	2116	2117
4	64^2 = _	4088	4096	4104	4089
5	65^2 = _	4225	4219	4235	4222

Section 22

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	_ x 100 = 4900	49	54	57	45
2	_ x 100 = 9600	102	96	95	94
3	_ x 100 = 3700	37	44	43	38
4	_ x 100 = 5700	65	66	63	57
5	_ x 100 = 4000	43	50	40	48

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9

Sr.no	Question Content	Option 1	Option 2	Option 3	Option 4
1	9.76 + 7.238 = _	16.998	20.998	25.998	24.998
2	5.13 + 7.409 = _	15.539	17.539	13.539	12.539
3	9.91 + 6.159 = _	18.069	20.069	22.069	16.069
4	7.71 + 3.462 = _	13.172	15.172	11.172	17.172
5	4.03 + 6.523 = _	19.553	12.553	10.553	18.553

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10