



Global Mental Math Olympiad 2024

Practice Sheet 2-Answer Key

Master Category (Ages 9-11)

Section 1

Question Content	Option 1	Option 2	Option 3	Option 4
$5 + 4 + 7 = \underline{\quad}$	16	14	21	10
$9 + 2 + 6 = \underline{\quad}$	9	15	17	26
$4 + 4 + 6 = \underline{\quad}$	11	14	18	17
$3 + 2 + 9 = \underline{\quad}$	19	21	14	8
$4 + 6 + 3 = \underline{\quad}$	13	20	10	5
$2 + 4 + 1 = \underline{\quad}$	11	16	15	7
$2 + 6 + 2 = \underline{\quad}$	12	16	10	17
$3 + 7 + 8 = \underline{\quad}$	18	24	16	23
$6 + 5 + 4 = \underline{\quad}$	20	15	11	8
$2 + 5 + 9 = \underline{\quad}$	21	16	23	14
$5 + 4 - 3 = \underline{\quad}$	14	13	6	12
$4 + 4 - 1 = \underline{\quad}$	12	8	3	7
$9 + 6 - 1 = \underline{\quad}$	20	19	16	14
$9 + 3 - 2 = \underline{\quad}$	10	15	13	7
$9 + 5 - 5 = \underline{\quad}$	2	9	7	11
$6 + 4 - 3 = \underline{\quad}$	11	5	7	3
$9 + 9 - 7 = \underline{\quad}$	13	11	12	9
$4 + 3 - 1 = \underline{\quad}$	2	6	4	13
$8 + 3 - 3 = \underline{\quad}$	8	10	12	15
$3 + 3 - 1 = \underline{\quad}$	2	5	9	7

Section 2

Question Content	Option 1	Option 2	Option 3	Option 4
$32 + 7 = \underline{\quad}$	42	39	41	46
$11 + 2 = \underline{\quad}$	20	15	13	22
$43 + 7 = \underline{\quad}$	41	50	43	45
$97 + 5 = \underline{\quad}$	110	93	95	102
$62 + 2 = \underline{\quad}$	58	57	62	64



$24 + 4 = \underline{\quad}$	19	33	23	28
$61 + 3 = \underline{\quad}$	73	60	59	64
$33 + 8 = \underline{\quad}$	33	47	42	41
$79 + 3 = \underline{\quad}$	83	80	84	82
$36 + 1 = \underline{\quad}$	37	35	30	44
$42 - 2 = \underline{\quad}$	38	34	31	40
$44 - 4 = \underline{\quad}$	40	48	33	41
$26 - 7 = \underline{\quad}$	19	23	12	22
$98 - 5 = \underline{\quad}$	93	102	90	99
$67 - 2 = \underline{\quad}$	67	70	65	57
$86 - 6 = \underline{\quad}$	80	82	79	77
$47 - 5 = \underline{\quad}$	42	40	43	33
$78 - 6 = \underline{\quad}$	64	70	72	66
$17 - 6 = \underline{\quad}$	11	10	7	16
$81 - 6 = \underline{\quad}$	75	72	66	78

Section 3

Question Content	Option 1	Option 2	Option 3	Option 4
Double of 5 + Half of 80 = $\underline{\quad}$	43	48	42	50
Double of 4 + Half of 48 = $\underline{\quad}$	39	30	32	40
Double of 4 + Half of 72 = $\underline{\quad}$	44	39	52	36
Double of 4 + Half of 58 = $\underline{\quad}$	37	40	38	28
Double of 6 + Half of 98 = $\underline{\quad}$	63	58	61	70
Double of 4 + Half of 18 = $\underline{\quad}$	17	8	25	16
Double of 6 + Half of 66 = $\underline{\quad}$	47	54	38	45
Double of 4 + Half of 78 = $\underline{\quad}$	49	51	41	47
Double of 3 + Half of 34 = $\underline{\quad}$	29	23	31	24
Double of 6 + Half of 74 = $\underline{\quad}$	49	51	41	53

Section 4

Question Content	Option 1	Option 2	Option 3	Option 4
Half of 66 - Double of 3 = $\underline{\quad}$	30	25	27	28
Half of 26 - Double of 3 = $\underline{\quad}$	7	12	14	3
Half of 48 - Double of 3 = $\underline{\quad}$	18	16	21	19
Half of 64 - Double of 3 = $\underline{\quad}$	26	34	33	32
Half of 44 - Double of 2 = $\underline{\quad}$	18	10	16	17



Half of 50 - Double of 9 = _	4	9	7	2
Half of 50 - Double of 2 = _	25	21	22	18
Half of 54 - Double of 7 = _	13	11	15	12
Half of 90 - Double of 9 = _	21	32	27	30
Half of 58 - Double of 1 = _	29	27	33	25

Section 5

Question Content	Option 1	Option 2	Option 3	Option 4
$68 + 3 + 5 = \underline{\quad}$	84	82	76	78
$87 + 3 + 4 = \underline{\quad}$	94	100	103	95
$97 + 1 + 1 = \underline{\quad}$	103	98	92	99
$43 + 2 + 2 = \underline{\quad}$	47	49	51	44
$89 + 9 + 7 = \underline{\quad}$	103	107	99	105
$35 + 7 + 3 = \underline{\quad}$	41	38	45	51
$41 + 2 + 8 = \underline{\quad}$	47	60	51	57
$24 + 3 + 3 = \underline{\quad}$	23	22	30	29
$57 + 1 + 3 = \underline{\quad}$	61	59	68	64
$46 + 2 + 4 = \underline{\quad}$	59	56	52	50
$15 + 8 - 7 = \underline{\quad}$	17	13	16	18
$90 + 9 - 3 = \underline{\quad}$	96	99	91	98
$74 + 7 - 3 = \underline{\quad}$	83	78	74	79
$85 + 6 - 4 = \underline{\quad}$	84	85	87	86
$16 + 5 - 1 = \underline{\quad}$	20	16	27	28
$35 + 8 - 1 = \underline{\quad}$	46	42	36	40
$84 + 3 - 3 = \underline{\quad}$	85	87	77	84
$28 + 6 - 3 = \underline{\quad}$	29	31	22	30
$70 + 8 - 1 = \underline{\quad}$	69	77	80	76
$62 + 8 - 2 = \underline{\quad}$	77	66	68	69
$45 - 6 + 4 = \underline{\quad}$	37	43	52	38
$37 - 3 + 2 = \underline{\quad}$	39	36	41	29
$63 - 7 + 7 = \underline{\quad}$	56	60	65	63
$74 - 6 + 3 = \underline{\quad}$	65	68	71	80
$83 - 9 + 2 = \underline{\quad}$	71	79	84	76
$84 - 9 + 4 = \underline{\quad}$	79	71	81	85
$24 - 7 + 2 = \underline{\quad}$	25	28	19	21
$25 - 7 + 4 = \underline{\quad}$	22	31	28	14
$12 - 5 + 3 = \underline{\quad}$	10	12	9	16



$35 - 4 + 2 = \underline{\quad}$	35	33	42	32
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Section 6

Question Content	Option 1	Option 2	Option 3	Option 4
$80 \times 10 = \underline{\quad}$	802	800	795	799
$83 \times 10 = \underline{\quad}$	838	822	830	837
$81 \times 10 = \underline{\quad}$	810	802	804	811
$85 \times 10 = \underline{\quad}$	850	845	844	843
$11 \times 10 = \underline{\quad}$	110	104	102	112
$34 \times 10 = \underline{\quad}$	342	349	340	341
$20 \times 10 = \underline{\quad}$	199	200	208	204
$68 \times 10 = \underline{\quad}$	674	681	680	687
$59 \times 10 = \underline{\quad}$	590	595	585	588
$22 \times 100 = \underline{\quad}$	2198	2200	2209	2192
$35 \times 100 = \underline{\quad}$	3493	3502	3500	3496
$68 \times 100 = \underline{\quad}$	6801	6799	6800	6802
$49 \times 100 = \underline{\quad}$	4898	4899	4896	4900
$87 \times 100 = \underline{\quad}$	8703	8696	8700	8702
$14 \times 100 = \underline{\quad}$	1400	1408	1398	1395
$24 \times 100 = \underline{\quad}$	2403	2407	2398	2400
$72 \times 100 = \underline{\quad}$	7200	7202	7208	7194
$61 \times 100 = \underline{\quad}$	6106	6100	6093	6099
$73 \times 100 = \underline{\quad}$	7297	7301	7300	7306

Section 7

Question Content	Option 1	Option 2	Option 3	Option 4
$96 \times 3 \times \underline{\quad} = 0$	6	7	4	0
$43 \times 6 \times \underline{\quad} = 0$	9	4	0	2
$96 \times 4 \times \underline{\quad} = 0$	0	1	4	8
$10 \times 9 \times \underline{\quad} = 0$	9	0	2	3
$97 \times 8 \times \underline{\quad} = 0$	4	3	6	0
$99 \times 8 \times 0 = \underline{\quad}$	0	1	8	6
$27 \times 3 \times 0 = \underline{\quad}$	1	0	3	6
$29 \times 9 \times 0 = \underline{\quad}$	5	0	4	2
$66 \times 6 \times 0 = \underline{\quad}$	8	4	7	0
$32 \times 7 \times 0 = \underline{\quad}$	8	0	7	9



Section 8

Question Content	Option 1	Option 2	Option 3	Option 4
$1^2 = \underline{\quad}$	4	6	3	1
$9^2 = \underline{\quad}$	77	81	74	90
$7^2 = \underline{\quad}$	53	49	58	56
$8^2 = \underline{\quad}$	64	63	61	59
$3^2 = \underline{\quad}$	6	13	9	15
$5^2 = \underline{\quad}$	27	31	25	32
$2^2 = \underline{\quad}$	11	5	4	10
$4^2 = \underline{\quad}$	23	12	18	16
$6^2 = \underline{\quad}$	29	35	31	36
$5^3 = \underline{\quad}$	132	125	127	124
$2^3 = \underline{\quad}$	12	11	8	7
$3^3 = \underline{\quad}$	35	28	21	27
$4^3 = \underline{\quad}$	59	71	57	64
$7^3 = \underline{\quad}$	345	334	352	343
$6^3 = \underline{\quad}$	216	209	214	225
$8^3 = \underline{\quad}$	510	504	512	514
$5^3 + 4^2 + 8^2 = \underline{\quad}$	211	205	197	212
$4^3 + 3^2 + 3^2 = \underline{\quad}$	84	82	90	75
$5^3 + 8^2 + 1^2 = \underline{\quad}$	189	187	190	186
$6^3 + 8^2 + 1^2 = \underline{\quad}$	281	289	275	288
$2^3 + 2^2 + 7^2 = \underline{\quad}$	63	52	61	60
$8^2 + 4^2 - 3^2 = \underline{\quad}$	66	71	65	78
$8^2 + 3^2 - 1^2 = \underline{\quad}$	70	72	67	77
$8^2 + 5^2 - 4^2 = \underline{\quad}$	65	73	67	70
$9^2 + 3^2 - 2^2 = \underline{\quad}$	80	82	94	86
$8^2 + 5^2 - 1^2 = \underline{\quad}$	83	86	88	80
$6^2 + 3^2 - 2^3 = \underline{\quad}$	36	39	41	37
$6^3 + 8^2 - 8^2 = \underline{\quad}$	216	225	218	219
$5^3 + 4^2 - 1^2 = \underline{\quad}$	134	135	142	140
$6^2 + 3^3 - 5^2 = \underline{\quad}$	36	40	38	47
$9^3 + 9^2 - 4^2 = \underline{\quad}$	794	792	796	798



Section 9

Question Content	Option 1	Option 2	Option 3	Option 4
Double of 44 - Half of 22 = _	78	73	77	76
Double of 86 - Half of 40 = _	150	152	160	154
Double of 90 - Half of 38 = _	164	159	152	161
Double of 61 - Half of 22 = _	103	111	110	114
Double of 95 - Half of 34 = _	173	177	168	180

Section 10

Question Content	Option 1	Option 2	Option 3	Option 4
$(7 + 4) \times (3 + 5) = _$	90	80	88	86
$(1 + 9) \times (5 + 1) = _$	52	58	62	60
$(6 + 4) \times (6 + 3) = _$	98	88	90	92
$(7 + 6) \times (3 + 8) = _$	140	143	139	137
$(6 + 3) \times (9 + 8) = _$	157	153	155	150
$(6 + 5) \times (6 + 6) = _$	132	138	137	128
$(8 + 5) \times (9 + 7) = _$	215	208	212	214
$(8 + 7) \times (8 + 2) = _$	141	150	157	152
$(7 + 3) \times (2 + 4) = _$	57	69	58	60
$(5 + 6) \times (3 + 3) = _$	66	70	67	64

Section 11

Question Content	Option 1	Option 2	Option 3	Option 4
Triple of 42 = _	126	135	127	124
Triple of 95 = _	285	290	279	289
Triple of 34 = _	109	102	110	101
Triple of 45 = _	139	131	135	143
Triple of 51 = _	152	153	156	157

Section 12

Question Content	Option 1	Option 2	Option 3	Option 4
Half of 672 = _	342	336	337	334
Half of 484 = _	247	238	240	242
Half of 344 = _	172	174	170	168
Half of 792 = _	399	394	396	388



Half of 788 = __	395	394	386	393
Half of 546 = __	282	272	269	273
Half of 402 = __	200	201	209	199
Half of 618 = __	305	307	317	309
Half of 566 = __	281	279	283	287
Half of 274 = __	137	135	134	131
Half of 5746 = __	2876	2870	2873	2880
Half of 2654 = __	1323	1331	1321	1327
Half of 9854 = __	4927	4922	4931	4935
Half of 7888 = __	3935	3944	3945	3939
Half of 8418 = __	4202	4211	4205	4209

Section 13

Question Content	Option 1	Option 2	Option 3	Option 4
40 x 4 = __	168	151	160	158
15 x 3 = __	45	49	47	48
45 x 2 = __	90	98	88	81
30 x 5 = __	151	158	150	141
20 x 5 = __	99	100	106	108
25 x 9 = __	225	218	220	219
20 x 7 = __	140	141	139	131
20 x 3 = __	65	60	55	58
30 x 7 = __	204	207	202	210
10 x 8 = __	82	74	80	86
90 x 3 = __	269	270	262	272
71 x 4 = __	284	277	285	283
63 x 3 = __	189	184	191	192
74 x 2 = __	148	141	139	146
40 x 3 = __	124	117	116	120
80 x 2 = __	160	164	158	161
41 x 4 = __	171	164	168	165
51 x 5 = __	248	260	256	255
18 x 8 = __	141	144	142	149
39 x 8 = __	313	317	312	310
93 x __ = 651	14	7	2	16
85 x __ = 170	6	10	11	2
47 x __ = 235	6	10	3	5



$74 \times _ = 370$	3	13	4	5
$60 \times _ = 180$	3	2	7	1

Section 14

Question Content	Option 1	Option 2	Option 3	Option 4
$31 + 37 = _$	63	68	64	66
$29 + 12 = _$	49	41	38	43
$80 + 55 = _$	135	141	134	136
$93 + 36 = _$	136	131	127	129
$53 + 62 = _$	124	110	122	115
$22 + 85 = _$	108	112	107	99
$81 + 32 = _$	104	113	105	117
$36 - 29 = _$	3	11	1	7
$87 - 41 = _$	43	46	45	53
$92 - 22 = _$	72	70	67	79
$29 - 11 = _$	18	12	27	20
$85 - 18 = _$	63	67	76	73
$63 - 49 = _$	12	19	14	7
$42 - 16 = _$	28	21	26	35
$46 - 20 = _$	29	28	23	26

Section 15

Question Content	Option 1	Option 2	Option 3	Option 4
Double of 97 + Triple of 8 = $_$	215	220	218	225
Double of 51 + Triple of 6 = $_$	111	118	120	128
Double of 26 + Triple of 7 = $_$	73	70	75	78
Double of 12 + Triple of 9 = $_$	42	51	49	53
Double of 81 + Triple of 4 = $_$	180	168	174	172
Double of 76 + Half of 78 = $_$	189	197	191	185
Double of 89 + Half of 42 = $_$	199	198	208	195
Double of 70 + Half of 98 = $_$	189	197	180	193
Double of 98 + Half of 56 = $_$	224	220	226	223
Double of 70 + Half of 64 = $_$	169	178	172	163



Section 16

Question Content	Option 1	Option 2	Option 3	Option 4
92, 75, 97 Mean = _	85	88	79	83
18, 15, 57 Mean = _	36	23	30	24
96, 55, 23 Mean = _	58	56	62	60
98, 71, 98 Mean = _	89	91	94	90
87, 34, 83 Mean = _	62	67	68	66
28, 32, 72 Mean = _	42	41	44	53
27, 18, 27 Mean = _	22	29	17	24
93, 76, 44 Mean = _	75	71	64	68
96, 65, 58 Mean = _	78	64	72	73
77, 18, 10 Mean = _	32	41	35	34

Section 17

Question Content	Option 1	Option 2	Option 3	Option 4
Cost price = 29, Selling Price = 17 Loss = _	11	5	12	9
Cost price = 32, Selling Price = 13 Loss = _	19	20	14	18
Cost price = 12, Selling Price = 17 Profit = _	15	4	5	11
Cost price = 64, Selling Price = 25 Loss = _	36	43	39	45
Cost price = 32, Selling Price = 5 Loss = _	18	27	34	25
Cost price = 78, Selling Price = 26 Loss = _	50	59	52	58
Cost price = 24, Selling Price = 8 Loss = _	25	20	16	18
Cost price = 94, Selling Price = 17 Loss = _	75	86	77	71
Cost price = 31, Selling Price = 53 Profit = _	27	22	24	28
Cost price = 18, Selling Price = 31 Profit = _	15	13	10	22

Section 18

Question Content	Option 1	Option 2	Option 3	Option 4
Cost price = 189, Selling Price = 113 Loss = _	76	80	85	74
Cost price = 166, Selling Price = 201 Profit = _	41	35	31	32
Cost price = 822, Selling Price = 435 Loss = _	387	388	389	385
Cost price = 184, Selling Price = 297 Profit = _	113	111	104	107
Cost price = 182, Selling Price = 116 Loss = _	66	65	74	73
Cost price = 401, Selling Price = 450 Profit = _	45	49	51	41
Cost price = 394, Selling Price = 263 Loss = _	131	124	130	136

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Section 19

Question Content	Option 1	Option 2	Option 3	Option 4
Loss = 237, Selling Price = 266 Cost price = _	494	503	504	498
Loss = 219, Selling Price = 98 Cost price = _	317	315	322	325
Loss = 315, Selling Price = 315 Cost price = _	635	630	637	624
Loss = 221, Selling Price = 135 Cost price = _	354	356	359	365
Loss = 338, Selling Price = 448 Cost price = _	791	792	789	786
Loss = 338, Selling Price = 466 Cost price = _	797	804	811	798
Loss = 321, Selling Price = 481 Cost price = _	800	801	802	809
Profit = 623, Selling Price = 1538 Cost price = _	913	915	907	916

Section 20

Question Content	Option 1	Option 2	Option 3	Option 4
72 / 3 Quotient = _	31	29	24	26
70 / 5 Quotient = _	13	5	14	12
9 / 3 Quotient = _	9	12	1	3
60 / 4 Quotient = _	16	23	15	14
48 / 8 Quotient = _	2	6	10	11
24 / 4 Quotient = _	2	13	6	1
52 / 2 Quotient = _	26	28	22	24
63 / 9 Quotient = _	16	1	3	7
45 / 9 Quotient = _	1	10	5	3
51 / 3 Quotient = _	21	22	20	17
246 / 2 Quotient = _	123	132	118	116
306 / 3 Quotient = _	100	102	105	108
110 / 5 Quotient = _	30	26	23	22
288 / 9 Quotient = _	27	34	32	25
880 / 5 Quotient = _	174	176	175	185



Section 21

Question Content	Option 1	Option 2	Option 3	Option 4
25% of 12 = _	12	1	3	10
10% of 30 = _	12	3	1	5
50% of 98 = _	45	49	57	46
5% of 20 = _	2	5	0	1
50% of 78 = _	36	34	43	39

Section 22

Question Content	Option 1	Option 2	Option 3	Option 4
$4.86 \times 10 = _$	57.6	56.6	48.6	49.6
$9.94 \times 10 = _$	95.4	105.4	100.4	99.4
$7.88 \times 10 = _$	69.8	78.8	85.8	83.8
$3.11 \times 10 = _$	31.1	37.1	25.1	33.1
$2.91 \times 10 = _$	32.1	29.1	28.1	33.1

Section 23

Question Content	Option 1	Option 2	Option 3	Option 4
$979.34 \times 100 = _$	97936	97940	97931	97934
$101.91 \times 100 = _$	10198	10189	10193	10191
$967.04 \times 100 = _$	96696	96704	96701	96698
$603.52 \times 100 = _$	60346	60352	60348	60360
$161.79 \times 100 = _$	16176	16177	16179	16182
$8.72 \times 100 = _$	872	876	870	874
$4.1 \times 100 = _$	405	410	418	408
$8.32 \times 100 = _$	823	832	825	830
$9.9 \times 100 = _$	991	990	999	997
$3.31 \times 100 = _$	339	331	324	332
$7.91 \times 100 = _$	786	788	783	791
$4.23 \times 100 = _$	431	432	423	427
$3.26 \times 100 = _$	326	328	320	323
$3.24 \times 100 = _$	320	324	327	331
$2.1 \times 100 = _$	210	215	207	216



Section 24

Question Content	Option 1	Option 2	Option 3	Option 4
$_ \times 100 = 6600$	59	64	68	66
$_ \times 100 = 2300$	23	20	16	25
$_ \times 100 = 2900$	23	20	34	29
$_ \times 100 = 3000$	30	28	37	29
$_ \times 100 = 2400$	17	28	24	16

Section 25

Question Content	Option 1	Option 2	Option 3	Option 4
$91^2 = _$	8288	8276	8281	8279
$60^2 = _$	3598	3602	3600	3609
$43^2 = _$	1856	1849	1840	1848
$66^2 = _$	4352	4356	4349	4350
$65^2 = _$	4225	4230	4233	4232

Section 26

Question Content	Option 1	Option 2	Option 3	Option 4
$1.64 + 7.77 = _$	9.41	4.41	3.41	12.41
$9.95 + 9.745 = _$	19.695	15.695	18.695	12.695
$2.36 + 2.808 = _$	6.168	5.168	3.168	0.168
$5.92 + 5.458 = _$	13.378	9.378	11.378	12.378
$2.96 + 9.111 = _$	13.071	12.071	19.071	11.071

Section 27

Question Content	Option 1	Option 2	Option 3	Option 4
$27 \times 26 = _$	700	695	702	707
$79 \times 47 = _$	3713	3715	3707	3711
$31 \times 63 = _$	1957	1953	1950	1956
$96 \times 32 = _$	3076	3072	3069	3067
$60 \times 38 = _$	2273	2280	2276	2278
$24 \times 50 = _$	1192	1205	1200	1198
$56 \times 94 = _$	5259	5256	5270	5264
$83 \times 34 = _$	2813	2822	2826	2831
$81 \times 20 = _$	1612	1619	1618	1620



$42 \times 75 = \underline{\quad}$	3155	3143	3151	3150
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Section 28

Question Content	Option 1	Option 2	Option 3	Option 4
Half of 194 - Triple of 29 = $\underline{\quad}$	6	17	5	10
Half of 138 - Triple of 20 = $\underline{\quad}$	7	11	18	9
Half of 178 - Triple of 27 = $\underline{\quad}$	15	8	10	1
Half of 104 - Triple of 15 = $\underline{\quad}$	8	1	7	9
Half of 146 - Triple of 19 = $\underline{\quad}$	12	21	18	16
Half of 152 + Double of 95 = $\underline{\quad}$	275	274	266	269
Half of 102 + Double of 79 = $\underline{\quad}$	201	207	209	210
Half of 172 + Double of 12 = $\underline{\quad}$	118	116	117	110
Half of 148 + Double of 59 = $\underline{\quad}$	187	183	192	198
Half of 132 + Double of 43 = $\underline{\quad}$	158	146	152	144
Double of 378 - Half of 174 = $\underline{\quad}$	669	665	660	674
Double of 479 - Half of 234 = $\underline{\quad}$	832	841	839	840
Half of 170 + Half of 122 = $\underline{\quad}$	146	149	147	148
Half of 108 + Half of 138 = $\underline{\quad}$	121	128	124	123
Half of 128 + Half of 140 = $\underline{\quad}$	134	129	138	133