



Global Mental Math Olympiad 2024

Practice Sheet 1-Answer Key

Master Category (Ages 9-11)

Section 1

Question Content	Option 1	Option 2	Option 3	Option 4
$5 + 7 + 2 = \underline{\quad}$	19	6	14	23
$1 + 6 + 9 = \underline{\quad}$	16	17	25	20
$7 + 5 + 2 = \underline{\quad}$	11	13	14	23
$4 + 7 + 2 = \underline{\quad}$	5	13	9	6
$4 + 2 + 9 = \underline{\quad}$	15	24	13	17
$3 + 8 + 5 = \underline{\quad}$	7	8	23	16
$4 + 6 + 8 = \underline{\quad}$	25	18	27	17
$3 + 4 + 6 = \underline{\quad}$	18	5	13	22
$2 + 4 + 6 = \underline{\quad}$	8	4	13	12
$4 + 3 + 7 = \underline{\quad}$	14	12	20	13
$5 + 3 - 3 = \underline{\quad}$	2	5	13	6
$5 + 3 - 2 = \underline{\quad}$	2	8	6	7
$8 + 4 - 1 = \underline{\quad}$	13	11	9	7
$7 + 6 - 1 = \underline{\quad}$	13	17	14	12
$2 + 2 - 1 = \underline{\quad}$	3	9	6	5
$8 + 6 - 3 = \underline{\quad}$	11	12	4	5
$8 + 3 - 3 = \underline{\quad}$	16	10	15	8
$6 + 5 - 3 = \underline{\quad}$	14	11	8	6
$7 + 4 - 3 = \underline{\quad}$	4	8	10	6
$5 + 2 - 2 = \underline{\quad}$	5	7	3	8

Section 2

Question Content	Option 1	Option 2	Option 3	Option 4
$66 + 7 = \underline{\quad}$	76	64	73	68
$37 + 4 = \underline{\quad}$	33	32	45	41
$78 + 6 = \underline{\quad}$	84	85	82	89
$21 + 8 = \underline{\quad}$	20	24	29	38
$20 + 5 = \underline{\quad}$	23	25	32	30



$32 + 1 = \underline{\quad}$	31	42	30	33
$60 + 7 = \underline{\quad}$	64	69	60	67
$56 + 2 = \underline{\quad}$	57	58	59	53
$23 + 7 = \underline{\quad}$	24	33	30	28
$61 + 7 = \underline{\quad}$	68	75	63	70
$42 - 9 = \underline{\quad}$	33	26	29	24
$10 - 2 = \underline{\quad}$	15	12	8	9
$80 - 6 = \underline{\quad}$	83	66	74	75
$68 - 3 = \underline{\quad}$	60	65	61	66
$72 - 7 = \underline{\quad}$	71	65	59	73
$75 - 2 = \underline{\quad}$	77	64	66	73
$69 - 7 = \underline{\quad}$	62	56	55	61
$30 - 9 = \underline{\quad}$	19	21	12	27
$53 - 7 = \underline{\quad}$	46	43	37	50
$53 - 6 = \underline{\quad}$	43	42	49	47

Section 3

Question Content	Option 1	Option 2	Option 3	Option 4
Double of 7 + Half of 70 = $\underline{\quad}$	49	56	42	51
Double of 9 + Half of 60 = $\underline{\quad}$	46	53	47	48
Double of 3 + Half of 42 = $\underline{\quad}$	18	27	25	30
Double of 6 + Half of 6 = $\underline{\quad}$	6	15	14	11
Double of 2 + Half of 76 = $\underline{\quad}$	44	42	37	40
Double of 1 + Half of 40 = $\underline{\quad}$	23	22	29	30
Double of 1 + Half of 6 = $\underline{\quad}$	5	9	12	7
Double of 3 + Half of 58 = $\underline{\quad}$	30	38	33	35
Double of 8 + Half of 24 = $\underline{\quad}$	28	37	29	30
Double of 5 + Half of 80 = $\underline{\quad}$	43	48	47	50

Section 4

Question Content	Option 1	Option 2	Option 3	Option 4
Half of 74 - Double of 2 = $\underline{\quad}$	32	35	33	27
Half of 56 - Double of 5 = $\underline{\quad}$	16	15	18	23
Half of 96 - Double of 1 = $\underline{\quad}$	48	41	47	46
Half of 28 - Double of 7 = $\underline{\quad}$	8	5	0	7
Half of 78 - Double of 2 = $\underline{\quad}$	35	37	40	33



Half of 78 - Double of 5 = _	29	34	22	20
Half of 68 - Double of 2 = _	30	32	34	33
Half of 88 - Double of 1 = _	38	42	39	37
Half of 72 - Double of 4 = _	24	30	28	19
Half of 36 - Double of 1 = _	24	16	18	14

Section 5

Question Content	Option 1	Option 2	Option 3	Option 4
$75 + 1 + 1 = \underline{\quad}$	73	83	74	77
$40 + 4 + 3 = \underline{\quad}$	51	45	47	55
$16 + 4 + 9 = \underline{\quad}$	38	20	28	29
$61 + 8 + 8 = \underline{\quad}$	77	71	79	74
$59 + 9 + 8 = \underline{\quad}$	84	76	81	72
$89 + 1 + 5 = \underline{\quad}$	102	97	95	87
$62 + 5 + 3 = \underline{\quad}$	70	72	69	64
$15 + 5 + 7 = \underline{\quad}$	27	29	25	19
$56 + 7 + 2 = \underline{\quad}$	74	70	68	65
$10 + 4 + 3 = \underline{\quad}$	22	17	12	15
$18 + 8 - 7 = \underline{\quad}$	10	21	19	17
$49 + 5 - 2 = \underline{\quad}$	57	54	52	47
$21 + 3 - 1 = \underline{\quad}$	25	23	28	17
$39 + 6 - 4 = \underline{\quad}$	38	39	41	36
$85 + 4 - 3 = \underline{\quad}$	95	79	86	77
$76 + 3 - 3 = \underline{\quad}$	73	76	81	70
$79 + 4 - 3 = \underline{\quad}$	71	82	78	80
$16 + 6 - 2 = \underline{\quad}$	11	12	22	20
$16 + 8 - 7 = \underline{\quad}$	25	17	19	15
$79 + 6 - 4 = \underline{\quad}$	90	82	81	85
$62 - 8 + 1 = \underline{\quad}$	55	50	53	48
$92 - 5 + 1 = \underline{\quad}$	82	93	88	84
$44 - 8 + 5 = \underline{\quad}$	41	39	47	46
$28 - 4 + 1 = \underline{\quad}$	29	19	25	16
$86 - 4 + 3 = \underline{\quad}$	90	85	94	87
$19 - 5 + 1 = \underline{\quad}$	7	16	21	15
$36 - 5 + 3 = \underline{\quad}$	29	36	32	34
$34 - 6 + 3 = \underline{\quad}$	33	31	28	34
$36 - 4 + 2 = \underline{\quad}$	32	37	34	38



$42 - 8 + 4 = \underline{\quad}$	33	44	38	37
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Section 6

Question Content	Option 1	Option 2	Option 3	Option 4
$14 \times 10 = \underline{\quad}$	137	144	142	140
$50 \times 10 = \underline{\quad}$	500	494	497	506
$80 \times 10 = \underline{\quad}$	800	791	809	794
$62 \times 10 = \underline{\quad}$	620	624	618	625
$46 \times 10 = \underline{\quad}$	460	454	462	469
$36 \times 100 = \underline{\quad}$	3600	3605	3593	3602
$54 \times 100 = \underline{\quad}$	5400	5392	5406	5407
$26 \times 100 = \underline{\quad}$	2600	2603	2609	2602
$16 \times 100 = \underline{\quad}$	1606	1598	1600	1603
$35 \times 100 = \underline{\quad}$	3507	3500	3498	3493

Section 7

Question Content	Option 1	Option 2	Option 3	Option 4
$41 \times 1 \times \underline{\quad} = 0$	0	5	2	3
$78 \times 4 \times \underline{\quad} = 0$	3	0	5	7
$28 \times 5 \times \underline{\quad} = 0$	7	0	2	9
$33 \times 4 \times \underline{\quad} = 0$	2	0	1	3
$80 \times 3 \times \underline{\quad} = 0$	3	1	8	0
$18 \times 4 \times 0 = \underline{\quad}$	6	1	8	0
$98 \times 8 \times 0 = \underline{\quad}$	7	2	3	0
$39 \times 7 \times 0 = \underline{\quad}$	2	6	0	8
$52 \times 6 \times 0 = \underline{\quad}$	5	9	0	6
$71 \times 7 \times 0 = \underline{\quad}$	0	5	2	6

Section 8

Question Content	Option 1	Option 2	Option 3	Option 4
$9^2 = \underline{\quad}$	84	77	81	79
$3^2 = \underline{\quad}$	12	14	7	9
$7^2 = \underline{\quad}$	47	49	50	41
$8^2 = \underline{\quad}$	69	72	64	66
$6^2 = \underline{\quad}$	27	44	36	31



$5^2 = \underline{\quad}$	20	25	32	16
$4^2 = \underline{\quad}$	17	21	16	12
$4^3 = \underline{\quad}$	65	60	64	69
$6^3 = \underline{\quad}$	218	216	219	220
$2^3 = \underline{\quad}$	8	11	1	4
$8^3 = \underline{\quad}$	509	520	512	510
$9^3 = \underline{\quad}$	738	721	720	729
$3^3 = \underline{\quad}$	36	29	27	35
$5^3 = \underline{\quad}$	127	118	119	125
$6^3 + 8^2 + 9^2 = \underline{\quad}$	360	370	359	361
$9^3 + 9^2 + 9^2 = \underline{\quad}$	897	900	891	882
$7^3 + 1^2 + 6^2 = \underline{\quad}$	382	380	376	373
$6^2 + 3^2 - 1^2 = \underline{\quad}$	36	48	53	44
$4^3 + 7^2 - 7^2 = \underline{\quad}$	65	57	59	64

Section 9

Question Content	Option 1	Option 2	Option 3	Option 4
Double of 11 - Half of 6 = $\underline{\quad}$	21	19	23	17
Double of 54 - Half of 28 = $\underline{\quad}$	96	93	94	95
Double of 52 - Half of 20 = $\underline{\quad}$	103	94	85	96
Double of 28 - Half of 2 = $\underline{\quad}$	60	57	55	63
Double of 33 - Half of 10 = $\underline{\quad}$	62	61	59	69

Section 10

Question Content	Option 1	Option 2	Option 3	Option 4
$(6 + 8) \times (8 + 6) = \underline{\quad}$	199	197	196	190
$(8 + 3) \times (7 + 8) = \underline{\quad}$	163	165	159	166
$(7 + 3) \times (4 + 2) = \underline{\quad}$	60	64	62	61
$(3 + 6) \times (8 + 4) = \underline{\quad}$	111	108	104	115
$(2 + 3) \times (8 + 5) = \underline{\quad}$	59	61	65	70



Section 11

Question Content	Option 1	Option 2	Option 3	Option 4
Triple of 80 = __	231	241	240	244
Triple of 23 = __	65	69	72	62
Triple of 22 = __	64	69	60	66
Triple of 11 = __	39	33	36	40
Triple of 71 = __	213	206	222	219

Section 12

Question Content	Option 1	Option 2	Option 3	Option 4
Half of 698 = __	347	357	358	349
Half of 720 = __	358	361	360	362
Half of 318 = __	161	164	167	159
Half of 784 = __	395	399	392	385
Half of 930 = __	465	460	466	474
Half of 5582 = __	2789	2791	2796	2793
Half of 3940 = __	1972	1970	1961	1974
Half of 4152 = __	2078	2069	2076	2071
Half of 1190 = __	595	604	588	594
Half of 9014 = __	4509	4506	4501	4507

Section 13

Question Content	Option 1	Option 2	Option 3	Option 4
45 x 5 = __	220	219	216	225
40 x 6 = __	245	246	240	238
35 x 4 = __	136	144	148	140
25 x 6 = __	143	141	150	153
35 x 3 = __	96	113	100	105
30 x 7 = __	217	206	210	207
25 x 7 = __	177	183	175	179
30 x 5 = __	150	158	148	151
15 x 2 = __	30	33	26	27
35 x 7 = __	252	243	245	251
23 x 4 = __	95	97	94	92
34 x 3 = __	98	111	102	99
29 x 8 = __	232	238	237	226



$40 \times 3 = \underline{\quad}$	120	126	129	122
$35 \times 9 = \underline{\quad}$	311	320	310	315
$85 \times 3 = \underline{\quad}$	263	246	255	257
$39 \times 9 = \underline{\quad}$	354	351	352	357
$82 \times 3 = \underline{\quad}$	248	245	246	255
$98 \times 8 = \underline{\quad}$	791	784	787	780
$86 \times 8 = \underline{\quad}$	691	689	688	692
$39 \times \underline{\quad} = 351$	11	12	9	13
$92 \times \underline{\quad} = 828$	9	6	18	7
$85 \times \underline{\quad} = 255$	6	3	5	1
$41 \times \underline{\quad} = 82$	7	10	1	2
$33 \times \underline{\quad} = 66$	8	9	7	2

Section 14

Question Content	Option 1	Option 2	Option 3	Option 4
$60 + 53 = \underline{\quad}$	110	113	111	105
$90 + 72 = \underline{\quad}$	169	162	159	161
$13 + 26 = \underline{\quad}$	44	39	41	34
$49 + 30 = \underline{\quad}$	87	83	79	73
$49 + 50 = \underline{\quad}$	99	93	101	97
$67 + 88 = \underline{\quad}$	150	155	148	157
$31 + 76 = \underline{\quad}$	105	107	115	108
$99 + 64 = \underline{\quad}$	171	167	162	163
$81 + 94 = \underline{\quad}$	177	175	180	170
$54 + 35 = \underline{\quad}$	95	87	96	89
$66 - 57 = \underline{\quad}$	2	7	9	12
$25 - 24 = \underline{\quad}$	1	3	9	7
$72 - 52 = \underline{\quad}$	27	20	14	18
$43 - 41 = \underline{\quad}$	7	4	2	9
$77 - 35 = \underline{\quad}$	49	43	42	39
$80 - 50 = \underline{\quad}$	24	32	30	26
$97 - 62 = \underline{\quad}$	35	33	26	42
$38 - 35 = \underline{\quad}$	1	10	3	8
$62 - 53 = \underline{\quad}$	7	16	9	10
$74 - 56 = \underline{\quad}$	16	12	25	18



Section 15

Question Content	Option 1	Option 2	Option 3	Option 4
Double of 62 + Triple of 3 = _	131	138	135	133
Double of 39 + Triple of 5 = _	94	84	98	93
Double of 89 + Triple of 4 = _	190	187	196	183
Double of 31 + Triple of 8 = _	82	89	90	86
Double of 25 + Triple of 2 = _	56	55	58	54
Double of 32 + Half of 32 = _	75	80	77	82
Double of 44 + Half of 44 = _	111	110	101	104
Double of 75 + Half of 22 = _	163	161	152	168
Double of 55 + Half of 94 = _	157	164	148	155
Double of 97 + Half of 28 = _	212	199	208	216

Section 16

Question Content	Option 1	Option 2	Option 3	Option 4
84, 64, 83 Mean = _	86	83	71	77
56, 54, 16 Mean = _	42	51	50	47
44, 89, 56 Mean = _	57	66	63	55
47, 25, 12 Mean = _	28	24	21	35
29, 19, 69 Mean = _	39	36	40	48
28, 88, 37 Mean = _	59	53	51	48
51, 24, 42 Mean = _	42	41	30	39
71, 10, 21 Mean = _	34	26	36	32
90, 75, 81 Mean = _	74	82	84	87
11, 78, 19 Mean = _	32	39	40	36

Section 17

Question Content	Option 1	Option 2	Option 3	Option 4
Cost price = 24, Selling Price = 5 Loss = _	19	26	20	28
Cost price = 43, Selling Price = 16 Loss = _	31	26	27	25
Cost price = 74, Selling Price = 25 Loss = _	42	46	49	55
Cost price = 50, Selling Price = 10 Loss = _	40	43	35	41
Cost price = 99, Selling Price = 55 Loss = _	43	36	38	44
Cost price = 76, Selling Price = 41 Loss = _	36	37	35	27
Cost price = 46, Selling Price = 6 Loss = _	41	45	40	34
Cost price = 30, Selling Price = 56 Profit = _	31	26	23	35



Cost price = 60, Selling Price = 101 Profit = __	50	33	41	47
Cost price = 51, Selling Price = 91 Profit = __	48	40	38	34

Section 18

Question Content	Option 1	Option 2	Option 3	Option 4
Cost price = 407, Selling Price = 260 Loss = __	154	150	147	155
Cost price = 399, Selling Price = 119 Loss = __	280	281	279	277
Cost price = 150, Selling Price = 186 Profit = __	36	43	38	42
Cost price = 247, Selling Price = 294 Profit = __	55	47	45	52
Cost price = 488, Selling Price = 723 Profit = __	244	233	242	235

Section 19

Question Content	Option 1	Option 2	Option 3	Option 4
Loss = 550, Selling Price = 183 Cost price = __	733	729	727	740
Loss = 100, Selling Price = 177 Cost price = __	278	286	272	277
Profit = 270, Selling Price = 770 Cost price = __	496	500	507	509
Profit = 429, Selling Price = 1360 Cost price = __	939	928	931	926
Profit = 529, Selling Price = 1440 Cost price = __	918	909	911	908

Section 20

Question Content	Option 1	Option 2	Option 3	Option 4
54 / 6 Quotient = __	3	6	11	9
8 / 8 Quotient = __	7	3	1	9
90 / 6 Quotient = __	9	15	20	14
80 / 4 Quotient = __	20	28	16	19
9 / 9 Quotient = __	1	7	5	2
70 / 2 Quotient = __	27	43	35	36
68 / 4 Quotient = __	15	10	17	24



30 / 6 Quotient = _	14	7	12	5
65 / 5 Quotient = _	21	7	18	13
60 / 5 Quotient = _	20	12	17	21
576 / 3 Quotient = _	186	194	189	192
711 / 9 Quotient = _	79	77	75	80
483 / 7 Quotient = _	61	68	71	69
255 / 5 Quotient = _	55	51	57	53
513 / 9 Quotient = _	52	59	57	56

Section 21

Question Content	Option 1	Option 2	Option 3	Option 4
5% of 80 = _	4	1	6	2
25% of 36 = _	8	7	9	0
25% of 28 = _	13	11	2	7
10% of 70 = _	7	8	6	9
50% of 86 = _	37	43	40	45

Section 22

Question Content	Option 1	Option 2	Option 3	Option 4
6.12 x 10 = _	61.2	68.2	54.2	69.2
1.63 x 10 = _	15.3	9.3	16.3	12.3
6.29 x 10 = _	65.9	62.9	60.9	66.9
7.95 x 10 = _	79.5	81.5	80.5	70.5
2.27 x 10 = _	24.7	22.7	17.7	15.7
6.49 x 10 = _	56.9	64.9	58.9	62.9
9.75 x 10 = _	97.5	99.5	104.5	94.5
8.18 x 10 = _	72.8	75.8	76.8	81.8
2.1 x 10 = _	26	14	17	21
5.1 x 10 = _	55	49	51	53

Section 23

Question Content	Option 1	Option 2	Option 3	Option 4
700.74 x 100 = _	70073	70083	70080	70074
856.23 x 100 = _	85627	85623	85625	85621
826.31 x 100 = _	82623	82627	82631	82622



$9.53 \times 100 = \underline{\quad}$	945	944	953	957
$1.11 \times 100 = \underline{\quad}$	105	111	114	109
$7.76 \times 100 = \underline{\quad}$	776	768	770	774
$8.55 \times 100 = \underline{\quad}$	847	849	853	855
$6.23 \times 100 = \underline{\quad}$	621	623	614	631
$6.4 \times 100 = \underline{\quad}$	636	637	640	649
$5.7 \times 100 = \underline{\quad}$	566	572	570	568

Section 24

Question Content	Option 1	Option 2	Option 3	Option 4
$\underline{\quad} \times 100 = 1600$	22	16	8	17
$\underline{\quad} \times 100 = 1200$	12	5	13	18
$\underline{\quad} \times 100 = 6900$	62	69	76	78
$\underline{\quad} \times 100 = 1700$	11	17	8	23
$\underline{\quad} \times 100 = 9500$	89	91	93	95
$\underline{\quad} \times 100 = 5200$	54	57	52	47
$\underline{\quad} \times 100 = 9900$	96	99	97	106
$\underline{\quad} \times 100 = 9600$	105	93	100	96
$\underline{\quad} \times 100 = 8400$	79	84	82	90
$\underline{\quad} \times 100 = 4500$	38	45	47	46

Section 25

Question Content	Option 1	Option 2	Option 3	Option 4
$74^2 = \underline{\quad}$	5476	5481	5474	5482
$39^2 = \underline{\quad}$	1521	1513	1519	1518
$93^2 = \underline{\quad}$	8649	8651	8644	8655
$16^2 = \underline{\quad}$	250	259	256	258
$17^2 = \underline{\quad}$	287	291	296	289
$34^2 = \underline{\quad}$	1152	1156	1164	1157
$80^2 = \underline{\quad}$	6391	6400	6398	6406
$85^2 = \underline{\quad}$	7223	7225	7228	7220
$98^2 = \underline{\quad}$	9595	9604	9596	9605
$54^2 = \underline{\quad}$	2912	2914	2916	2923



Section 26

Question Content	Option 1	Option 2	Option 3	Option 4
$4.04 + 1.079 = \underline{\quad}$	5.119	3.119	9.119	6.119
$6.3 + 9.323 = \underline{\quad}$	10.623	22.623	13.623	15.623
$6.22 + 3.458 = \underline{\quad}$	9.678	15.678	4.678	14.678
$7.48 + 8.381 = \underline{\quad}$	19.861	15.861	6.861	18.861
$3.96 + 4.555 = \underline{\quad}$	10.515	13.515	17.515	8.515

Section 27

Question Content	Option 1	Option 2	Option 3	Option 4
$12 \times 27 = \underline{\quad}$	320	321	324	319
$86 \times 91 = \underline{\quad}$	7824	7820	7835	7826
$65 \times 35 = \underline{\quad}$	2271	2281	2275	2276
$58 \times 15 = \underline{\quad}$	866	875	879	870
$39 \times 11 = \underline{\quad}$	431	432	436	429

Section 28

Question Content	Option 1	Option 2	Option 3	Option 4
Half of 188 - Triple of 30 = $\underline{\quad}$	11	12	4	7
Half of 188 - Triple of 12 = $\underline{\quad}$	58	60	50	49
Half of 162 - Triple of 10 = $\underline{\quad}$	57	56	51	44
Half of 130 - Triple of 13 = $\underline{\quad}$	21	17	26	33
Half of 136 - Triple of 11 = $\underline{\quad}$	35	34	32	37
Half of 118 + Double of 18 = $\underline{\quad}$	101	87	95	98
Half of 192 + Double of 65 = $\underline{\quad}$	226	234	224	223
Half of 176 + Double of 73 = $\underline{\quad}$	234	233	231	226
Half of 148 + Double of 18 = $\underline{\quad}$	101	107	115	110
Double of 214 - Half of 62 = $\underline{\quad}$	401	391	397	398
Double of 151 - Half of 72 = $\underline{\quad}$	258	266	265	267
Double of 300 - Half of 96 = $\underline{\quad}$	553	550	556	552
Half of 174 + Half of 192 = $\underline{\quad}$	189	183	182	190
Half of 128 + Half of 176 = $\underline{\quad}$	149	152	156	144
Half of 140 + Half of 188 = $\underline{\quad}$	166	159	157	164