



# **Global Mental Math Olympiad 2024**

## **Practice Sheet 1 – Answer Key**

### **Challenger Category (Ages 6-8)**

#### **Section 1**

<b>Sr No</b>	<b>Question Content</b>	<b>Option 1</b>	<b>Option 2</b>	<b>Option 3</b>	<b>Option 4</b>
1	$5 + 4 = \underline{\quad}$	1	12	9	3
2	$6 + 5 = \underline{\quad}$	9	11	3	10
3	$6 + 4 = \underline{\quad}$	10	17	2	14
4	$5 + 8 = \underline{\quad}$	15	13	17	14
5	$1 + 6 = \underline{\quad}$	7	4	9	5
6	$5 + 9 = \underline{\quad}$	15	11	9	14
7	$1 + 3 = \underline{\quad}$	4	3	8	11
8	$1 + 5 = \underline{\quad}$	10	8	6	9
9	$4 + 7 = \underline{\quad}$	4	13	11	19
10	$5 + 6 = \underline{\quad}$	2	11	9	13
11	$30 + 1 = \underline{\quad}$	35	38	31	23
12	$50 + 5 = \underline{\quad}$	55	56	57	51
13	$60 + 2 = \underline{\quad}$	62	53	55	71
14	$90 + 7 = \underline{\quad}$	92	97	99	98
15	$40 + 6 = \underline{\quad}$	45	46	48	54
16	$20 + 7 = \underline{\quad}$	24	27	33	21
17	$80 + 6 = \underline{\quad}$	87	86	83	82
18	$20 + 4 = \underline{\quad}$	33	22	17	24
19	$90 + 5 = \underline{\quad}$	99	103	95	101
20	$10 + 4 = \underline{\quad}$	10	16	14	19
21	$10 + 20 = \underline{\quad}$	28	25	34	30
22	$30 + 20 = \underline{\quad}$	42	51	50	54
23	$45 + 35 = \underline{\quad}$	89	78	80	74
24	$15 + 10 = \underline{\quad}$	25	32	30	20
25	$30 + 40 = \underline{\quad}$	71	73	70	67
26	$30 + 15 = \underline{\quad}$	36	37	38	45
27	$15 + 30 = \underline{\quad}$	39	40	45	44
28	$40 + 35 = \underline{\quad}$	83	66	75	77
29	$5 + 20 = \underline{\quad}$	30	25	20	23
30	$30 + 5 = \underline{\quad}$	41	44	35	33
31	$20 + 5 = \underline{\quad}$	26	25	23	16
32	$15 + 5 = \underline{\quad}$	23	16	17	20



33	$5 + 5 = \underline{\quad}$	17	10	6	11
34	$45 + 5 = \underline{\quad}$	53	52	50	55
35	$10 + 5 = \underline{\quad}$	12	15	13	21
36	$40 + 5 = \underline{\quad}$	38	43	36	45
37	$25 + 5 = \underline{\quad}$	34	36	38	30

## Section 2

Sr No	Question Content	Option 1	Option 2	Option 3	Option 4
38	$2 - 1 = \underline{\quad}$	8	1	7	3
39	$8 - 4 = \underline{\quad}$	12	1	4	7
40	$8 - 3 = \underline{\quad}$	2	5	4	7
41	$9 - 3 = \underline{\quad}$	8	12	4	6
42	$4 - 2 = \underline{\quad}$	6	11	1	2
43	$5 - 3 = \underline{\quad}$	11	6	9	2
44	$1 - 1 = \underline{\quad}$	9	0	5	3
45	$5 - 1 = \underline{\quad}$	4	3	2	1
46	$40 - 20 = \underline{\quad}$	20	22	11	16
47	$40 - 5 = \underline{\quad}$	33	28	35	37
48	$30 - 25 = \underline{\quad}$	7	9	11	5
49	$40 - 30 = \underline{\quad}$	19	16	4	10
50	$35 - 5 = \underline{\quad}$	26	23	28	30
51	$35 - 15 = \underline{\quad}$	16	17	23	20
52	$25 - 15 = \underline{\quad}$	10	9	4	1
53	$30 - 15 = \underline{\quad}$	15	16	19	7
54	$40 - 25 = \underline{\quad}$	10	15	17	14
55	$94 - 4 = \underline{\quad}$	85	90	89	95
56	$39 - 9 = \underline{\quad}$	25	23	30	21
57	$45 - 3 = \underline{\quad}$	50	42	45	47
58	$94 - 2 = \underline{\quad}$	92	93	87	91
59	$24 - 2 = \underline{\quad}$	22	29	25	21
60	$16 - 9 = \underline{\quad}$	7	15	3	4
61	$13 - 5 = \underline{\quad}$	6	2	10	8
62	$73 - 2 = \underline{\quad}$	71	65	64	69
63	$12 - 1 = \underline{\quad}$	7	20	6	11
64	$99 - 2 = \underline{\quad}$	106	97	93	102
65	$20 - 5 = \underline{\quad}$	15	11	18	8
66	$30 - 5 = \underline{\quad}$	25	20	33	27
67	$15 - 5 = \underline{\quad}$	10	5	8	15
68	$5 - 5 = \underline{\quad}$	6	8	2	0
69	$25 - 5 = \underline{\quad}$	27	20	11	22
70	$10 - 5 = \underline{\quad}$	9	3	5	7



### Section 3

Sr No	Question Content	Option 1	Option 2	Option 3	Option 4
71	$3 \times 7 = \underline{\quad}$	19	15	18	21
72	$9 \times 4 = \underline{\quad}$	38	34	36	30
73	$6 \times 8 = \underline{\quad}$	48	45	46	40
74	$6 \times 2 = \underline{\quad}$	21	19	12	4
75	$3 \times 3 = \underline{\quad}$	9	12	7	6
76	$4 \times 3 = \underline{\quad}$	12	10	15	21
77	$4 \times 7 = \underline{\quad}$	27	35	24	28
78	$3 \times 5 = \underline{\quad}$	8	15	23	20
79	$5 \times 7 = \underline{\quad}$	40	28	35	36
80	$2 \times 4 = \underline{\quad}$	1	4	14	8
81	$9 \times 10 = \underline{\quad}$	80	95	65	90
82	$3 \times 10 = \underline{\quad}$	20	25	40	30

### Section 4

Sr No	Question Content	Option 1	Option 2	Option 3	Option 4
83	$5^3 = \underline{\quad}$	$5 \times 5$	$5 \times 5 \times 5 \times 5 \times 5$	5	$5 \times 5 \times 5$
84	$6^3 = \underline{\quad}$	$6 \times 6 \times 6$	6	$6 \times 6 \times 6 \times 6 \times 6 \times 6$	$6 \times 6 \times 6 \times 6$
85	$6^2 = \underline{\quad}$	$6 \times 6 \times 6$	$6 \times 6 \times 6 \times 6$	6	$6 \times 6$
86	$6^4 = \underline{\quad}$	$6 \times 6 \times 6 \times 6$	6	$6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6$	$6 \times 6$
87	$7^3 = \underline{\quad}$	$7 \times 7 \times 7 \times 7$	$7 \times 7 \times 7 \times 7 \times 7$	$7 \times 7 \times 7$	7
88	$8^3 = \underline{\quad}$	8	$8 \times 8 \times 8 \times 8$	$8 \times 8 \times 8$	$8 \times 8$
89	$3^4 = \underline{\quad}$	$3 \times 3$	$3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$	$3 \times 3 \times 3 \times 3$	3
90	$3^3 = \underline{\quad}$	3	$3 \times 3 \times 3$	$3 \times 3 \times 3 \times 3 \times 3 \times 3$	$3 \times 3 \times 3 \times 3 \times 3$

### Section 5

Sr No	Question Content	Option 1	Option 2	Option 3	Option 4
91	$9 + \underline{\quad} = 14$	5	11	7	4
92	$4 + \underline{\quad} = 5$	1	2	6	3
93	$8 + \underline{\quad} = 13$	4	5	8	9
94	$4 + \underline{\quad} = 9$	5	3	8	11
95	$5 + \underline{\quad} = 11$	9	4	2	6
96	$8 + \underline{\quad} = 10$	6	5	7	2
97	$3 + \underline{\quad} = 5$	1	4	2	8
98	$2 + \underline{\quad} = 7$	5	1	2	3

For queries, please contact the

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99	$4 + \_ = 12$	17	10	8	2
100	$1 + \_ = 2$	1	9	7	10
101	$97 - \_ = 90$	5	7	16	6
102	$47 - \_ = 38$	14	3	9	7
103	$54 - \_ = 48$	1	6	4	2
104	$15 - \_ = 8$	9	5	15	7
105	$97 - \_ = 93$	4	5	6	3
106	$33 - \_ = 28$	10	5	11	3
107	$95 - \_ = 89$	5	3	6	7
108	$60 - \_ = 57$	4	3	10	12
109	$57 - \_ = 52$	14	11	5	7
110	$61 - \_ = 58$	2	8	3	1
111	$15 - \_ = 10$	14	2	5	12
112	$25 - \_ = 20$	14	3	11	5
113	$35 - \_ = 30$	9	5	8	3
114	$30 - \_ = 25$	11	8	5	2
115	$5 - \_ = 0$	6	7	1	5
116	$40 - \_ = 35$	7	8	3	5
117	$45 - \_ = 40$	5	13	3	11
118	$37 + \_ = 38$	7	1	5	3
119	$26 + \_ = 33$	7	13	8	5
120	$87 + \_ = 95$	10	7	3	8
121	$24 + \_ = 26$	11	2	7	9
122	$79 + \_ = 84$	5	7	14	3
123	$29 + \_ = 32$	3	1	10	12
124	$43 + \_ = 48$	10	6	3	5
125	$45 + \_ = 52$	9	7	13	6
126	$24 + \_ = 31$	15	5	9	7
127	$16 + \_ = 17$	5	2	8	1

### Section 6

Sr No	Question Content	Option 1	Option 2	Option 3	Option 4
128	$614 \times 89 \times 0 = \_$	1	0	2	6
129	$902 \times 59 \times 0 = \_$	9	4	0	8
130	$602 \times 46 \times 0 = \_$	1	0	8	2
131	$249 \times \_ \times 19 = 0$	8	0	4	2
132	$259 \times \_ \times 91 = 0$	2	1	5	0
133	$5 \times 0 = \_$	0	5	3	1
134	$9 \times 0 = \_$	3	7	0	8
135	$2 \times 0 = \_$	4	0	3	2
136	$7 \times 0 = \_$	2	3	1	0



137	$3 \times 0 = \underline{\quad}$	1	8	0	3
138	$6 \times 0 = \underline{\quad}$	4	0	7	3
139	$4 \times 0 = \underline{\quad}$	0	9	6	7

### **Section 7**

Sr No	Question Content	Option 1	Option 2	Option 3	Option 4
140	$39 \_ 5 = 44$	X	-	+	/
141	$38 \_ 3 = 41$	X	-	/	+
142	$57 \_ 6 = 63$	X	/	+	-
143	$62 \_ 9 = 71$	/	-	X	+
144	$75 \_ 4 = 79$	-	X	+	/
145	$56 \_ 1 = 55$	-	+	/	X
146	$77 \_ 5 = 72$	/	X	+	-
147	$72 \_ 4 = 68$	/	-	+	X
148	$89 \_ 4 = 85$	/	+	-	X
149	$72 \_ 7 = 65$	+	X	-	/

### **Section 8**

Sr No	Question Content	Option 1	Option 2	Option 3	Option 4
150	Double of 4 = $\underline{\quad}$	4	7	12	8
151	Double of 2 = $\underline{\quad}$	4	6	13	8
152	Double of 5 = $\underline{\quad}$	19	2	10	6
153	Double of 1 = $\underline{\quad}$	2	4	3	9
154	Double of 8 = $\underline{\quad}$	16	15	11	20
155	Double of 9 = $\underline{\quad}$	18	27	23	10
156	Double of 3 = $\underline{\quad}$	12	6	10	11
157	Double of 25 = $\underline{\quad}$	50	48	55	47
158	Double of 30 = $\underline{\quad}$	51	62	60	64
159	Double of 20 = $\underline{\quad}$	40	46	38	42
160	Double of 10 = $\underline{\quad}$	29	24	27	20
161	Double of 15 = $\underline{\quad}$	30	28	31	33
162	Double of 45 = $\underline{\quad}$	92	90	95	84
163	Double of 35 = $\underline{\quad}$	70	64	72	65



### Section 9

Sr No	Question Content	Option 1	Option 2	Option 3	Option 4
164	Triple of 7 = __	21	12	22	20
165	Triple of 4 = __	11	20	4	12
166	Triple of 5 = __	10	9	15	11
167	Triple of 3 = __	9	8	10	5
168	Triple of 1 = __	7	1	6	3
169	Triple of 2 = __	8	6	13	9
170	Triple of 9 = __	22	26	36	27

### Section 10

Sr No	Question Content	Option 1	Option 2	Option 3	Option 4
171	Half of 40 = __	29	20	13	15
172	Half of 10 = __	7	11	3	5
173	Half of 80 = __	48	42	40	43
174	Half of 30 = __	15	18	10	17
175	Half of 70 = __	38	32	33	35
176	Half of 50 = __	29	28	32	25
177	Half of 60 = __	28	23	30	27

### Section 11

Sr No	Question Content	Option 1	Option 2	Option 3	Option 4
178	$3 + 7 + 4 = \underline{\hspace{1cm}}$	7	11	12	14
179	$3 + 4 + 5 = \underline{\hspace{1cm}}$	6	15	16	12
180	$4 + 3 + 2 = \underline{\hspace{1cm}}$	11	5	1	9
181	$7 + 6 + 9 = \underline{\hspace{1cm}}$	25	22	19	21
182	$3 + 6 + 2 = \underline{\hspace{1cm}}$	3	17	11	6
183	$2 + 4 + 5 = \underline{\hspace{1cm}}$	18	20	11	9
184	$9 + 3 + 8 = \underline{\hspace{1cm}}$	15	28	20	12
185	$3 + 6 + 3 = \underline{\hspace{1cm}}$	15	14	12	16
186	$3 + 4 + 8 = \underline{\hspace{1cm}}$	17	8	15	19
187	$5 + 6 + 9 = \underline{\hspace{1cm}}$	12	21	20	13
188	$6 + 4 - 1 = \underline{\hspace{1cm}}$	9	6	11	5
189	$9 + 3 - 1 = \underline{\hspace{1cm}}$	9	11	8	6
190	$8 + 7 - 4 = \underline{\hspace{1cm}}$	11	17	19	3
191	$6 + 1 - 1 = \underline{\hspace{1cm}}$	6	8	15	5
192	$6 + 5 - 3 = \underline{\hspace{1cm}}$	10	7	13	8



193	$9 + 9 - 5 = \underline{\quad}$	22	16	13	15
194	$7 + 3 - 1 = \underline{\quad}$	9	10	14	16
195	$6 + 4 - 3 = \underline{\quad}$	7	15	9	5
196	$7 + 2 - 2 = \underline{\quad}$	2	13	1	7
197	$9 + 6 - 2 = \underline{\quad}$	17	13	18	15
198	$48 + 7 + 9 = \underline{\quad}$	71	66	64	72
199	$29 + 3 + 4 = \underline{\quad}$	38	42	36	43
200	$25 + 2 + 8 = \underline{\quad}$	35	26	29	40
201	$53 + 2 + 4 = \underline{\quad}$	59	58	60	50
202	$82 + 9 + 5 = \underline{\quad}$	96	87	91	101
203	$48 + 3 + 8 = \underline{\quad}$	57	50	59	51
204	$30 + 7 + 6 = \underline{\quad}$	40	43	36	42
205	$11 + 3 + 8 = \underline{\quad}$	15	20	22	21
206	$94 + 1 + 3 = \underline{\quad}$	98	103	90	91
207	$19 + 3 + 1 = \underline{\quad}$	26	25	29	23
208	$25 + 1 = \underline{\quad}$	26	34	22	28
209	$83 + 1 = \underline{\quad}$	92	80	90	84
210	$42 + 3 = \underline{\quad}$	52	47	43	45
211	$88 + 8 = \underline{\quad}$	102	96	94	105
212	$81 + 8 = \underline{\quad}$	89	95	87	91
213	$29 + 7 = \underline{\quad}$	36	28	33	29
214	$60 + 9 = \underline{\quad}$	62	69	65	78
215	$13 + 4 = \underline{\quad}$	16	17	22	20
216	$43 + 4 = \underline{\quad}$	46	41	47	55
217	$77 + 4 = \underline{\quad}$	87	81	78	83

### Section 12

Sr No	Question Content	Option 1	Option 2	Option 3	Option 4
218	$7 \times 7 = \underline{\quad}$	$7^2$	$7^5$	$7^1$	$7^6$
219	$8 \times 8 \times 8 = \underline{\quad}$	$8^7$	$8^3$	$8^6$	$8^4$
220	$8 \times 8 \times 8 = \underline{\quad}$	$8^3$	$8^4$	$8^8$	$8^2$
221	$2 \times 2 = \underline{\quad}$	$2^2$	$2^6$	$2^1$	$2^7$
222	$7 \times 7 \times 7 = \underline{\quad}$	$7^8$	$7^2$	$7^3$	$7^7$
223	$3 \times 3 = \underline{\quad}$	$3^9$	$3^4$	$3^2$	$3^1$
224	$4 \times 4 \times 4 = \underline{\quad}$	$4^3$	$4^2$	$4^4$	$4^5$
225	$5 \times 5 \times 5 = \underline{\quad}$	$5^7$	$5^4$	$5^9$	$5^3$
226	$4 \times 4 = \underline{\quad}$	$4^8$	$4^2$	$4^4$	$4^9$
227	$48 \times 48 = \underline{\quad}$	$48^2$	$48^8$	$48^3$	$48^6$
228	$53 \times 53 = \underline{\quad}$	$53^2$	$53^6$	$53^9$	$53^1$
229	$11 \times 11 \times 11 = \underline{\quad}$	$11^7$	$11^6$	$11^3$	$11^4$
230	$14 \times 14 \times 14 \times 14 = \underline{\quad}$	$14^9$	$14^2$	$14^6$	$14^4$

