



Global Mental Math Olympiad 2024

Practice Sheet 3 – Answer Key

Challenger Category (Ages 6-8)

Section 1

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
1	$7 + 8 = \underline{\quad}$	15	19	13	22
2	$5 + 2 = \underline{\quad}$	7	4	6	12
3	$9 + 4 = \underline{\quad}$	10	19	9	13
4	$4 + 5 = \underline{\quad}$	2	6	9	14
5	$5 + 9 = \underline{\quad}$	17	14	7	9
6	$3 + 1 = \underline{\quad}$	5	7	13	4
7	$3 + 7 = \underline{\quad}$	12	1	19	10
8	$1 + 4 = \underline{\quad}$	8	10	5	2
9	$8 + 2 = \underline{\quad}$	7	8	15	10
10	$5 + 4 = \underline{\quad}$	10	9	3	16
11	$30 + 9 = \underline{\quad}$	39	33	38	31
12	$10 + 7 = \underline{\quad}$	18	13	17	15
13	$70 + 4 = \underline{\quad}$	71	74	80	75
14	$90 + 8 = \underline{\quad}$	98	100	105	97
15	$50 + 2 = \underline{\quad}$	61	45	52	56
16	$10 + 4 = \underline{\quad}$	14	8	12	13
17	$80 + 7 = \underline{\quad}$	82	85	95	87
18	$40 + 8 = \underline{\quad}$	52	46	49	48
19	$70 + 8 = \underline{\quad}$	75	78	73	72
20	$20 + 9 = \underline{\quad}$	31	21	22	29
21	$10 + 10 = \underline{\quad}$	20	22	15	26
22	$35 + 35 = \underline{\quad}$	61	69	70	62
23	$10 + 45 = \underline{\quad}$	60	55	61	53
24	$5 + 25 = \underline{\quad}$	23	21	26	30
25	$5 + 15 = \underline{\quad}$	22	20	29	21
26	$35 + 25 = \underline{\quad}$	51	60	61	59
27	$10 + 20 = \underline{\quad}$	21	30	38	23
28	$35 + 30 = \underline{\quad}$	74	67	63	65
29	$5 + 30 = \underline{\quad}$	30	35	38	37
30	$5 + 5 = \underline{\quad}$	10	12	2	5



31	$40 + 5 = \underline{\quad}$	51	47	45	38
32	$15 + 5 = \underline{\quad}$	12	19	20	27
33	$20 + 5 = \underline{\quad}$	34	31	25	26
34	$45 + 5 = \underline{\quad}$	44	51	50	43
35	$30 + 5 = \underline{\quad}$	43	35	38	29

Section 2

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
36	$5 - 2 = \underline{\quad}$	11	3	6	7
37	$9 - 2 = \underline{\quad}$	9	7	11	6
38	$7 - 1 = \underline{\quad}$	14	11	12	6
39	$2 - 1 = \underline{\quad}$	8	6	1	9
40	$5 - 1 = \underline{\quad}$	10	2	8	4
41	$8 - 5 = \underline{\quad}$	3	12	1	6
42	$6 - 3 = \underline{\quad}$	9	10	1	3
43	$6 - 2 = \underline{\quad}$	13	4	3	6
44	$20 - 10 = \underline{\quad}$	8	1	10	19
45	$20 - 15 = \underline{\quad}$	5	10	4	12
46	$30 - 30 = \underline{\quad}$	6	5	0	2
47	$25 - 20 = \underline{\quad}$	5	7	8	6
48	$45 - 45 = \underline{\quad}$	0	4	8	3
49	$45 - 30 = \underline{\quad}$	12	15	13	7
50	$35 - 20 = \underline{\quad}$	6	20	15	17
51	$45 - 15 = \underline{\quad}$	35	36	26	30
52	$18 - 8 = \underline{\quad}$	14	10	13	7
53	$40 - 3 = \underline{\quad}$	29	34	37	43
54	$40 - 1 = \underline{\quad}$	48	35	36	39
55	$82 - 2 = \underline{\quad}$	79	75	77	80
56	$73 - 3 = \underline{\quad}$	66	70	67	61
57	$24 - 9 = \underline{\quad}$	9	15	21	13
58	$12 - 6 = \underline{\quad}$	15	6	4	1
59	$34 - 5 = \underline{\quad}$	29	33	36	27
60	$97 - 3 = \underline{\quad}$	99	94	97	93
61	$10 - 6 = \underline{\quad}$	5	10	4	6
62	$10 - 5 = \underline{\quad}$	7	13	4	5
63	$35 - 5 = \underline{\quad}$	35	30	33	28



64	$20 - 5 = \underline{\quad}$	15	16	19	10
65	$45 - 5 = \underline{\quad}$	32	38	40	42
66	$15 - 5 = \underline{\quad}$	19	10	11	9
67	$5 - 5 = \underline{\quad}$	0	9	2	6
68	$40 - 5 = \underline{\quad}$	44	27	39	35
69	$25 - 5 = \underline{\quad}$	20	23	24	14

Section 3

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
70	$6 \times 8 = \underline{\quad}$	49	54	48	44
71	$6 \times 2 = \underline{\quad}$	3	5	12	8
72	$9 \times 3 = \underline{\quad}$	19	27	18	35
73	$7 \times 3 = \underline{\quad}$	18	24	22	21
74	$9 \times 8 = \underline{\quad}$	69	67	72	74
75	$7 \times 6 = \underline{\quad}$	37	41	38	42
76	$6 \times 6 = \underline{\quad}$	36	38	34	39
77	$7 \times 4 = \underline{\quad}$	25	28	26	36
78	$4 \times 6 = \underline{\quad}$	15	21	33	24
79	$6 \times 9 = \underline{\quad}$	58	63	52	54

Section 4

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
80	$7^4 = \underline{\quad}$	7×7	$7 \times 7 \times 7 \times 7$	$7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7$	7
81	$4^3 = \underline{\quad}$	4	$4 \times 4 \times 4$	$4 \times 4 \times 4 \times 4 \times 4$	$4 \times 4 \times 4 \times 4 \times 4 \times 4$
82	$2^4 = \underline{\quad}$	2	$2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$	$2 \times 2 \times 2 \times 2$	2×2
83	$4^2 = \underline{\quad}$	4	4×4	$4 \times 4 \times 4$	$4 \times 4 \times 4 \times 4$
84	$5^3 = \underline{\quad}$	5	$5 \times 5 \times 5 \times 5 \times 5$	$5 \times 5 \times 5$	$5 \times 5 \times 5 \times 5$
85	$9^3 = \underline{\quad}$	9	$9 \times 9 \times 9 \times 9 \times 9$	$9 \times 9 \times 9$	$9 \times 9 \times 9 \times 9 \times 9 \times 9$
86	$2^3 = \underline{\quad}$	$2 \times 2 \times 2$	$2 \times 2 \times 2 \times 2 \times 2 \times 2$	2	$2 \times 2 \times 2 \times 2 \times 2$
87	$6^4 = \underline{\quad}$	$6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6$	6	$6 \times 6 \times 6 \times 6 \times 6$	$6 \times 6 \times 6 \times 6$
88	$3^4 = \underline{\quad}$	$3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$	3	$3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$	$3 \times 3 \times 3 \times 3$



Section 5

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
89	$7 + _ = 16$	18	4	12	9
90	$7 + _ = 12$	10	3	4	5
91	$1 + _ = 10$	6	13	18	9
92	$9 + _ = 13$	3	4	6	10
93	$4 + _ = 8$	13	7	4	2
94	$2 + _ = 11$	3	1	9	16
95	$1 + _ = 6$	8	5	2	12
96	$4 + _ = 10$	6	8	4	9
97	$2 + _ = 7$	8	3	5	13
98	$3 + _ = 11$	14	6	1	8
99	$49 - _ = 43$	14	6	8	2
100	$85 - _ = 76$	9	3	11	1
101	$86 - _ = 81$	3	5	14	13
102	$33 - _ = 29$	1	6	11	4
103	$52 - _ = 46$	2	8	6	5
104	$88 - _ = 80$	12	11	17	8
105	$35 - _ = 27$	17	3	14	8
106	$59 - _ = 53$	6	7	2	14
107	$37 - _ = 34$	12	3	5	11
108	$42 - _ = 37$	7	5	8	10
109	$15 - _ = 10$	5	1	13	7
110	$40 - _ = 35$	7	1	2	5
111	$5 - _ = 0$	8	5	13	11
112	$25 - _ = 20$	5	13	1	10
113	$10 - _ = 5$	9	5	1	12
114	$45 - _ = 40$	10	3	7	5
115	$35 - _ = 30$	3	10	7	5
116	$75 + _ = 80$	12	9	11	5
117	$85 + _ = 91$	11	8	9	6
118	$21 + _ = 25$	1	2	4	13



Section 6

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
119	$925 \times 77 \times 0 = \underline{\hspace{1cm}}$	5	7	0	2
120	$267 \times 87 \times 0 = \underline{\hspace{1cm}}$	5	0	9	1
121	$916 \times \underline{\hspace{1cm}} \times 14 = 0$	9	0	4	6
122	$3 \times 0 = \underline{\hspace{1cm}}$	4	8	0	3
123	$7 \times 0 = \underline{\hspace{1cm}}$	0	7	1	2
124	$9 \times 0 = \underline{\hspace{1cm}}$	1	8	0	5
125	$6 \times 0 = \underline{\hspace{1cm}}$	0	2	8	3
126	$4 \times 0 = \underline{\hspace{1cm}}$	2	8	0	4
127	$5 \times 0 = \underline{\hspace{1cm}}$	8	0	1	2
128	$5 \times 0 \times 3 = \underline{\hspace{1cm}}$	6	0	4	5
129	$3 \times 0 \times 9 = \underline{\hspace{1cm}}$	2	0	3	1
130	$4 \times 0 \times 7 = \underline{\hspace{1cm}}$	8	7	3	0

Section 7

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
131	$48 \underline{\hspace{1cm}} 9 = 57$	-	/	X	+
132	$92 \underline{\hspace{1cm}} 2 = 94$	-	X	/	+
133	$74 \underline{\hspace{1cm}} 3 = 77$	-	/	X	+
134	$83 \underline{\hspace{1cm}} 7 = 90$	/	+	X	-
135	$35 \underline{\hspace{1cm}} 3 = 38$	-	X	/	+
136	$36 \underline{\hspace{1cm}} 1 = 37$	/	+	-	X
137	$83 \underline{\hspace{1cm}} 8 = 91$	-	/	X	+
138	$97 \underline{\hspace{1cm}} 8 = 105$	-	X	+	/
139	$74 \underline{\hspace{1cm}} 4 = 78$	+	X	/	-
140	$42 \underline{\hspace{1cm}} 1 = 43$	X	/	-	+
141	$62 \underline{\hspace{1cm}} 5 = 57$	+	/	-	X
142	$48 \underline{\hspace{1cm}} 7 = 41$	+	X	-	/
143	$30 \underline{\hspace{1cm}} 5 = 25$	X	-	/	+
144	$21 \underline{\hspace{1cm}} 8 = 13$	-	+	/	X
145	$49 \underline{\hspace{1cm}} 1 = 48$	/	X	-	+
146	$60 \underline{\hspace{1cm}} 9 = 51$	/	+	-	X
147	$28 \underline{\hspace{1cm}} 7 = 21$	X	-	/	+
148	$82 \underline{\hspace{1cm}} 1 = 81$	-	X	+	/



149	$99 _ 3 = 96$	/	-	X	+
150	$45 _ 8 = 37$	-	/	X	+

Section 8

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
151	Double of 5 = __	8	12	1	10
152	Double of 1 = __	2	9	1	10
153	Double of 4 = __	5	8	11	17
154	Double of 3 = __	6	8	2	4
155	Double of 9 = __	24	18	15	10
156	Double of 2 = __	8	4	6	5
157	Double of 6 = __	6	21	12	3
158	Double of 45 = __	83	97	90	88
159	Double of 20 = __	36	37	49	40
160	Double of 15 = __	30	32	22	31
161	Double of 30 = __	62	60	59	63
162	Double of 40 = __	80	78	81	82
163	Double of 10 = __	22	23	20	16

Section 9

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
164	Triple of 4 = __	4	10	12	11
165	Triple of 5 = __	18	6	23	15
166	Triple of 8 = __	27	29	24	31
167	Triple of 2 = __	15	6	8	3
168	Triple of 1 = __	9	3	5	0
169	Triple of 7 = __	25	26	21	14
170	Triple of 9 = __	27	33	31	30
171	Triple of 3 = __	12	15	13	9
172	Triple of 6 = __	18	12	20	22



Section 10

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
173	Half of 40 = __	15	20	24	27
174	Half of 80 = __	33	45	40	38
175	Half of 20 = __	8	12	10	15
176	Half of 30 = __	19	6	18	15
177	Half of 10 = __	5	13	11	4

Section 11

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
178	$3 + 3 + 8 =$ __	22	14	13	16
179	$3 + 6 + 4 =$ __	20	13	15	11
180	$3 + 4 + 7 =$ __	6	12	14	16
181	$2 + 7 + 9 =$ __	25	11	13	18
182	$1 + 4 + 4 =$ __	2	9	16	17
183	$3 + 2 + 8 =$ __	5	18	13	14
184	$5 + 6 + 5 =$ __	14	15	7	16
185	$5 + 6 + 9 =$ __	26	19	14	20
186	$2 + 7 + 3 =$ __	12	14	13	11
187	$5 + 2 + 1 =$ __	9	14	8	12
188	$4 + 3 - 2 =$ __	9	10	5	13
189	$8 + 6 - 5 =$ __	17	9	2	1
190	$9 + 1 - 1 =$ __	9	7	4	17
191	$8 + 7 - 5 =$ __	4	13	10	18
192	$7 + 2 - 2 =$ __	8	5	16	7
193	$8 + 4 - 1 =$ __	17	11	16	7
194	$6 + 5 - 2 =$ __	18	2	9	10
195	$5 + 2 - 2 =$ __	10	5	9	8
196	$7 + 1 - 1 =$ __	15	9	3	7
197	$9 + 8 - 1 =$ __	16	11	10	18
198	$41 + 8 + 3 =$ __	52	50	48	58
199	$80 + 9 + 6 =$ __	95	97	103	89
200	$13 + 7 =$ __	15	20	13	18
201	$38 + 2 =$ __	40	45	49	34
202	$31 + 4 =$ __	41	29	26	35



203	$57 + 4 = \underline{\quad}$	59	62	61	54
204	$91 + 4 = \underline{\quad}$	87	95	86	99
205	$41 + 7 = \underline{\quad}$	48	43	47	50
206	$78 + 9 = \underline{\quad}$	87	93	90	81
207	$60 + 7 = \underline{\quad}$	73	65	67	75
208	$63 + 8 = \underline{\quad}$	75	68	71	73
209	$17 + 2 = \underline{\quad}$	27	19	14	22

Section 12

Sr no	Question Content	Option 1	Option 2	Option 3	Option 4
210	$9 \times 9 \times 9 \times 9 = \underline{\quad}$	9^3	9^5	9^2	9^4
211	$5 \times 5 \times 5 \times 5 = \underline{\quad}$	5^9	5^1	5^3	5^4
212	$7 \times 7 \times 7 = \underline{\quad}$	7^8	7^3	7^5	7^4
213	$8 \times 8 \times 8 = \underline{\quad}$	8^5	8^8	8^2	8^3
214	$8 \times 8 = \underline{\quad}$	8^7	8^5	8^2	8^3
215	$5 \times 5 \times 5 = \underline{\quad}$	5^7	5^6	5^1	5^3
216	$2 \times 2 \times 2 = \underline{\quad}$	2^9	2^8	2^6	2^3
217	$13 \times 13 = \underline{\quad}$	13^2	13^6	13^9	13^1
218	$69 \times 69 \times 69 = \underline{\quad}$	69^8	69^1	69^5	69^3