



## Azerbaijan Mental Math Olympiad 2023

### Practice Sheet 4 (Answer Key) Master (Age : 9-11 years)

#### Section 1

No	Mix Addition & Subtraction	Option 1	Option 2	Option 3	Option 4
1	$6 + 4 + 7 =$	18	19	17	13
2	$7 + 2 + 9 =$	24	18	8	23
3	$9 + 2 + 7 =$	22	8	16	18
4	$5 + 4 + 9 =$	24	15	28	18
5	$9 + 4 + 7 =$	11	29	17	20
6	$5 + 4 - 8 =$	7	8	1	3
7	$8 + 3 - 9 =$	4	2	5	3
8	$7 + 2 - 7 =$	9	2	4	12
9	$5 + 3 + 9 =$	11	21	27	17
10	$8 + 2 - 7 =$	3	4	5	13



## Section 2

No	Mix Addition & Subtraction	Option 1	Option 2	Option 3	Option 4
1	$58 + 3 + 7 =$	68	71	67	64
2	$63 + 8 + 2 =$	69	83	71	73
3	$91 + 6 + 9 =$	112	108	103	106
4	$79 + 8 + 8 =$	98	97	95	86
5	$61 + 3 + 7 =$	62	64	67	71
6	$31 + 3 - 5 =$	27	29	36	20
7	$73 + 8 - 4 =$	72	68	83	77
8	$60 + 3 - 2 =$	61	53	65	56
9	$89 + 3 - 4 =$	82	91	90	88
10	$82 + 5 - 6 =$	81	90	79	78
11	$43 - 6 + 7 =$	44	52	42	53
12	$69 - 5 + 4 =$	69	68	58	75
13	$58 - 3 + 4 =$	60	59	56	52
14	$63 - 5 + 9 =$	61	63	67	65
15	$45 - 9 + 5 =$	33	40	41	48

## Section 3

No	Multiplication	Option 1	Option 2	Option 3	Option 4
1	$51 \times 10 =$	510	508	506	515
2	$75 \times 100 =$	7507	7493	7492	7500
3	$20 \times 10 =$	200	193	197	210
4	$49 \times 10 =$	492	495	483	490
5	$64 \times 100 =$	6390	6400	6407	6406
6	$59 \times 10 =$	586	589	591	590
7	$72 \times 10 =$	721	714	717	720
8	$89 \times 10 =$	887	891	890	888
9	$85 \times 100 =$	8491	8501	8500	8494
10	$39 \times 10 =$	399	400	397	390



### Section 4

No	Mix Addition & Subtraction	Option 1	Option 2	Option 3	Option 4
1	$91 - 9 =$	83	84	82	78
2	$57 + 9 =$	72	66	56	71
3	$93 - 7 =$	90	76	84	86
4	$61 + 8 =$	75	66	79	69
5	$79 - 8 =$	62	80	68	71
6	$71 + 9 =$	86	71	80	82
7	$73 - 8 =$	61	65	68	60
8	$95 - 9 =$	93	86	88	96
9	$86 - 7 =$	73	83	89	79
10	$67 - 7 =$	60	61	52	70

### Section 5

No		Option 1	Option 2	Option 3	Option 4
1	Double of 8 + Half of 4 =	23	24	18	17
2	Double of 4 + Half of 6 =	11	13	2	9
3	Double of 3 + Half of 6 =	9	2	5	19
4	Double of 9 + Half of 4 =	15	18	20	19
5	Double of 6 + Half of 2 =	13	12	22	8
6	Double of 3 + Half of 34 =	23	20	21	18
7	Double of 6 + Half of 64 =	44	47	41	45
8	Double of 9 + Half of 66 =	49	53	48	51
9	Double of 6 + Half of 10 =	17	9	10	22
10	Double of 4 + Half of 54 =	27	35	25	39



### Section 6

No		Option 1	Option 2	Option 3	Option 4
1	Half of 92 - Double of 4 =	45	46	31	38
2	Half of 92 - Double of 2 =	34	48	47	42
3	Half of 86 - Double of 8 =	26	36	20	27
4	Half of 84 - Double of 2 =	35	38	40	28
5	Half of 96 - Double of 2 =	49	44	35	38

### Section 7

No	Multiplication	Option 1	Option 2	Option 3	Option 4
1	$3 \times 0 =$	1	2	6	0
2	$9 \times 0 \times 6 =$	4	8	0	3
3	$2 \times 0 =$	4	0	7	1
4	$16 \times 7 \times 0 =$	0	2	3	8
5	$19 \times 0 =$	6	0	4	5

### Section 8

No	Multiplication	Option 1	Option 2	Option 3	Option 4
1	$7 \times 2 =$	21	22	7	14
2	$9 \times 9 =$	73	87	86	81
3	$3 \times 3 =$	8	18	2	9
4	$5 \times 6 =$	27	30	32	20
5	$5 \times 8 =$	45	40	31	34
6	$2 \times 8 =$	16	23	10	22
7	$8 \times 5 =$	46	44	35	40
8	$7 \times 4 =$	28	25	23	27
9	$3 \times 7 =$	24	21	20	28
10	$8 \times 9 =$	71	72	75	76



### Section 9

No	Multiplication	Option 1	Option 2	Option 3	Option 4
1	$18 \times 2 =$	46	36	42	33
2	$19 \times 2 =$	39	38	42	28
3	$11 \times 8 =$	96	85	88	80
4	$25 \times 4 =$	106	100	97	98
5	$24 \times 5 =$	119	125	120	113

### Section 10

No		Option 1	Option 2	Option 3	Option 4
1	Half of 458 =	234	235	229	228
2	Half of 480 =	240	242	231	238
3	Half of 740 =	370	363	366	380
4	Half of 830 =	410	413	415	414
5	Half of 696 =	348	347	357	343

### Section 11

No		Option 1	Option 2	Option 3	Option 4
1	20, 2, 11 =	12	9	5	11
2	30, 4, 17 =	21	25	17	14
3	10, 2, 6 =	2	6	8	7
4	30, 2, 16 =	16	18	13	24
5	10, 8, 9 =	3	9	13	14



### Section 12

No	Addition	Option 1	Option 2	Option 3	Option 4
1	$54 + 90 =$	154	144	150	141
2	$51 + 69 =$	121	120	124	110
3	$73 + 75 =$	156	145	148	140
4	$78 + 90 =$	174	168	165	166
5	$98 + 84 =$	181	187	182	175
6	$82 - 53 =$	20	29	39	24
7	$79 - 50 =$	25	36	29	35
8	$71 - 32 =$	39	35	30	38
9	$80 - 56 =$	14	20	24	16
10	$87 - 52 =$	40	35	38	45

### Section 13

No	Exponents	Option 1	Option 2	Option 3	Option 4
1	$7^3 =$	343	346	342	339
2	$9^2 =$	77	91	79	81
3	$6^2 =$	42	38	33	36
4	$5^3 =$	135	145	125	10
5	$8^2 =$	55	57	60	64

### Section 14

No	Brackets	Option 1	Option 2	Option 3	Option 4
1	$(5 + 9) \times (3 + 2) =$ ____	63	79	70	65
2	$(7 + 8) \times (6 - 2) =$ ____	60	56	62	57
3	$(5 + 5) \times (1 + 2) =$ ____	35	34	30	23
4	$(9 + 6) \times (4 - 3) =$ ____	15	10	9	25
5	$(9 + 5) \times (1 + 1) =$ ____	28	31	37	23
6	$(7 + 8) \times (6 - 1) =$ ____	81	75	80	73
7	$(8 + 6) \times (2 + 1) =$ ____	42	43	34	37
8	$(6 + 9) \times (6 - 3) =$ ____	49	44	46	45
9	$(4 + 3) \times (3 + 1) =$ ____	28	18	23	38
10	$(9 + 8) \times (4 - 2) =$ ____	34	41	25	39



### Section 15

No		Option 1	Option 2	Option 3	Option 4
1	Double of 31 - Half of 26 =	49	47	45	54
2	Double of 37 - Half of 30 =	66	52	51	59
3	Double of 37 - Half of 50 =	49	42	46	59
4	Double of 44 - Half of 74 =	53	56	44	51
5	Double of 30 - Half of 22 =	39	49	56	55

### Section 16

No	Division (Perfect Answer)	Option 1	Option 2	Option 3	Option 4
1	42 / 6 =	7	14	6	4
2	36 / 9 =	10	3	6	4
3	65 / 5 =	13	6	20	17
4	207 / 9 =	20	23	30	27
5	135 / 9 =	9	7	14	15

### Section 17

No		Option 1	Option 2	Option 3	Option 4
1	Triple of 10 =	31	32	30	26
2	Triple of 80 =	246	240	230	245
3	Triple of 11 =	37	23	31	33
4	Triple of 30 =	96	87	100	90
5	Triple of 31 =	84	102	90	93
6	Triple of 77 =	237	222	231	233
7	Triple of 25 =	71	75	78	70
8	Triple of 97 =	298	291	293	301
9	Triple of 87 =	255	265	271	261
10	Triple of 24 =	72	73	64	82



### Section 18

No		Option 1	Option 2	Option 3	Option 4
1	Double of 18 + Triple of 4 =	48	46	44	53
2	Double of 44 + Triple of 3 =	104	90	89	97
3	Double of 38 + Triple of 4 =	88	81	85	98
4	Double of 26 + Triple of 2 =	60	63	51	58
5	Double of 24 + Triple of 8 =	62	72	79	78

### Section 19

No	Exponents	Option 1	Option 2	Option 3	Option 4
1	$2^2 + 4^2 + 2^2 =$	29	30	24	23
2	$2^2 + 3^2 + 3^2 =$	22	24	13	20
3	$5^2 + 4^2 + 4^2 =$	57	50	53	67
4	$2^2 + 4^2 + 3^2 =$	24	27	29	28
5	$5^2 + 2^2 + 2^2 =$	33	32	42	28
6	$7^2 + 4^2 - 2^2 =$	61	58	59	56
7	$5^2 + 3^2 - 2^2 =$	30	33	27	31
8	$9^2 + 2^2 - 3^2 =$	74	78	73	76
9	$8^2 + 4^2 - 4^2 =$	64	56	57	69
10	$5^2 + 2^2 - 4^2 =$	5	13	3	17