



Azerbaijan Mental Math Olympiad 2023

Practice Sheet 1 for Master Category(Age : 9 years to 11 years)

Answer Key

Section 1

1) $2 + 3 + 9 = \mathbf{14}$

2) $6 + 7 + 5 = \mathbf{18}$

3) $8 + 1 + 6 = \mathbf{15}$

4) $4 + 9 + 3 = \mathbf{16}$

5) $2 + 8 + 6 = \mathbf{16}$

6) $5 + 2 - 1 = \mathbf{6}$

7) $9 - 1 + 4 = \mathbf{12}$

8) $3 - 1 + 7 = \mathbf{9}$

9) $4 - 2 + 6 = \mathbf{8}$

10) $7 - 3 + 9 = \mathbf{13}$



Section 2

1) $18 + 6 = \mathbf{24}$

2) $27 + 9 = \mathbf{36}$

3) $12 + 8 = \mathbf{20}$

4) $63 + 5 = \mathbf{68}$

5) $79 - 2 = \mathbf{77}$

6) $42 - 4 = \mathbf{38}$

7) $56 - 7 = \mathbf{49}$

8) $91 + 7 = \mathbf{98}$

9) $35 + 9 = \mathbf{44}$

10) $47 + 6 = \mathbf{53}$



Section 3

- 1) Double of 3 + Half of 10 = **11**
- 2) Double of 9 + Half of 4 = **20**
- 3) Double of 2 + Half of 8 = **8**
- 4) Double of 6 + Half of 6 = **15**
- 5) Double of 10 + Half of 4 = **22**

Section 4

- 1) Half of 18 - Double of 2 = **5**
- 2) Half of 28 - Double of 3 = **8**
- 3) Half of 42 - Double of 4 = **13**
- 4) Half of 20 - Double of 1 = **8**
- 5) Half of 50 - Double of 8 = **9**



Section 5

1) $12 + 8 + 6 = \mathbf{26}$

2) $43 + 3 + 9 = \mathbf{55}$

3) $57 - 5 + 3 = \mathbf{55}$

4) $76 + 2 + 1 = \mathbf{79}$

5) $29 + 6 + 5 = \mathbf{40}$

Section 6

1) $45 \times 10 = \mathbf{450}$

2) $22 \times 10 = \mathbf{220}$

3) $83 \times 100 = \mathbf{8300}$

4) $51 \times 100 = \mathbf{5100}$

5) $6644 \times 100 = \mathbf{664400}$



Section 7

1) $3 \times 0 = \mathbf{0}$

2) $55 \times 0 = \mathbf{0}$

3) $6 \times 0 \times 5 = \mathbf{0}$

4) $12 \times 0 \times 2 = \mathbf{0}$

5) $50 \times 0 \times 8 = \mathbf{0}$



Section 8

1) $5^2 = \mathbf{25}$

2) $8^2 = \mathbf{64}$

3) $10^2 = \mathbf{100}$

4) $5^3 = \mathbf{125}$

5) $2^3 = \mathbf{8}$

6) $3^2 + 4^2 = \mathbf{25}$

7) $6^2 + 8^2 = \mathbf{100}$

8) $4^3 - 2^3 = \mathbf{56}$

9) $5^2 + 6^2 + 1^2 = \mathbf{62}$

10) $9^2 - 5^2 - 2^2 = \mathbf{52}$



Section 9

- 1) Double of 5 = **10**
- 2) Double of 12 = **24**
- 3) Double of 18 = **36**
- 4) Double of 33 = **66**
- 5) Double of 41 = **82**

Section 10

- 1) Half of 40 = **20**
- 2) Half of 64 = **32**
- 3) Half of 18 = **9**
- 4) Half of 90 = **45**
- 5) Half of 56 = **28**



Section 11

- 1) Triple of 5 = **15**
- 2) Triple of 12 = **36**
- 3) Triple of 7 = **21**
- 4) Triple of 15 = **45**
- 5) Triple of 20 = **60**



Section 12

- 1) Double of 15 - Half of 4 = **28**
- 2) Double of 24 - Half of 6 = **45**
- 3) Double of 11 + Triple of 3 = **31**
- 4) Double of 35 + Triple of 5 = **85**
- 5) Double of 16 + Half of 30 = **47**
- 6) Double of 25 + Half of 20 = **60**
- 7) Half of 150 = **75**
- 8) Half of 888 = **444**
- 9) Half of 612 = **306**
- 10) Half of 70 - Triple of 7 = **14**



Section 13

1) $13 \times 7 = \mathbf{91}$

2) $25 \times 4 = \mathbf{100}$

3) $14 \times 8 = \mathbf{112}$

4) $48 \times 5 = \mathbf{240}$

5) $36 \times 6 = \mathbf{216}$



Section 14

- 1) $27 + 18 = \mathbf{45}$
- 2) $42 + 13 = \mathbf{55}$
- 3) $91 + 8 = \mathbf{99}$
- 4) $65 + 34 = \mathbf{99}$
- 5) $52 + 48 = \mathbf{100}$
- 6) $64 - 29 = \mathbf{35}$
- 7) $87 - 57 = \mathbf{30}$
- 8) $39 - 14 = \mathbf{25}$
- 9) $66 - 33 = \mathbf{33}$
- 10) $92 - 49 = \mathbf{43}$



Section 15

- 1) $(4 + 5) \times (9 + 1) = \mathbf{90}$
- 2) $(7 + 3) \times (4 + 6) = \mathbf{100}$
- 3) $(2 + 6) \times (3 + 9) = \mathbf{96}$
- 4) $(6 + 8) \times (2 + 4) = \mathbf{84}$
- 5) $(8 + 4) \times (7 + 1) = \mathbf{96}$

Section 16

- 1) 5, 10, 15 Mean = **10**
- 2) 12, 15, 18 Mean = **15**
- 3) 21, 35, 43 Mean = **33**
- 4) 25, 30, 35 Mean = **30**
- 5) 7, 14, 21 Mean = **14**



Section 17

Please Note: Abbreviation "SP" means Selling Price, "CP" means Cost Price

- 1) Selling Price = 90, Cost Price = 60, Profit = **30**
- 2) Selling Price = 160, Cost Price = 120, Profit = **40**
- 3) Selling Price = 350, Cost Price = 280, Profit = **70**
- 4) Selling Price = 600, Cost Price = 450, Profit = **150**
- 5) Cost Price = 80, Selling Price = 70, Loss = **10**



Section 18

- 1) $96 / 6 = \mathbf{16}$
- 2) $64 / 8 = \mathbf{8}$
- 3) $500 / 10 = \mathbf{50}$
- 4) $120 / 6 = \mathbf{20}$
- 5) $200 / 4 = \mathbf{50}$

Section 19

- 1) 25% of 80 = **20**
- 2) 50% of 160 = **80**
- 3) 10% of 250 = **25**
- 4) 60% of 120 = **72**
- 5) 35% of 400 = **140**



Section 20

- 1) $6.25 \times 100 = \mathbf{625}$
- 2) $12.5 \times 100 = \mathbf{1250}$
- 3) $1.6 \times 1000 = \mathbf{1600}$
- 4) $5.5 \times 1000 = \mathbf{5500}$
- 5) $1.33 \times 100 = \mathbf{133}$