



# Global Mental Math Olympiad 2026, Dubai

## Practice Sheet 5

### Challenger Category (Ages 6-8)

#### Section 1

| Question Content              | Option 1 | Option 2 | Option 3 | Option 4 |
|-------------------------------|----------|----------|----------|----------|
| $6 + 3 = \underline{\quad}$   | 0        | 9        | 15       | 19       |
| $9 + 1 = \underline{\quad}$   | 10       | 6        | 18       | 7        |
| $4 + 6 = \underline{\quad}$   | 5        | 11       | 10       | 0        |
| $8 + 8 = \underline{\quad}$   | 11       | 6        | 19       | 16       |
| $4 + 2 = \underline{\quad}$   | 16       | 7        | 2        | 6        |
| $1 + 9 = \underline{\quad}$   | 15       | 5        | 10       | 11       |
| $7 + 4 = \underline{\quad}$   | 21       | 7        | 20       | 11       |
| $7 + 2 = \underline{\quad}$   | 0        | 9        | 19       | 8        |
| $8 + 7 = \underline{\quad}$   | 19       | 6        | 21       | 15       |
| $5 + 7 = \underline{\quad}$   | 12       | 4        | 9        | 10       |
| $30 + 20 = \underline{\quad}$ | 40       | 52       | 45       | 50       |
| $5 + 6 = \underline{\quad}$   | 11       | 20       | 14       | 2        |
| $20 + 10 = \underline{\quad}$ | 30       | 20       | 37       | 29       |
| $25 + 20 = \underline{\quad}$ | 43       | 45       | 47       | 49       |
| $40 + 45 = \underline{\quad}$ | 90       | 85       | 94       | 91       |
| $40 + 5 = \underline{\quad}$  | 45       | 53       | 52       | 38       |
| $5 + 5 = \underline{\quad}$   | 10       | 7        | 1        | 15       |
| $35 + 5 = \underline{\quad}$  | 32       | 37       | 43       | 40       |
| $10 + 5 = \underline{\quad}$  | 25       | 18       | 11       | 15       |
| $25 + 30 = \underline{\quad}$ | 50       | 55       | 58       | 45       |



## **Section 2**

| <b>Question Content</b> | <b>Option 1</b> | <b>Option 2</b> | <b>Option 3</b> | <b>Option 4</b> |
|-------------------------|-----------------|-----------------|-----------------|-----------------|
| $9 - 8 = \_$            | 17              | 7               | 3               | 1               |
| $9 - 5 = \_$            | 4               | 6               | 12              | 2               |
| $3 - 3 = \_$            | 6               | 0               | 7               | 4               |
| $9 - 7 = \_$            | 16              | 5               | 7               | 2               |
| $6 - 5 = \_$            | 11              | 6               | 1               | 5               |
| $30 - 15 = \_$          | 15              | 6               | 20              | 7               |
| $30 - 10 = \_$          | 15              | 29              | 17              | 20              |
| $25 - 10 = \_$          | 10              | 22              | 18              | 15              |
| $10 - 10 = \_$          | 20              | 8               | 8               | 0               |
| $40 - 35 = \_$          | 5               | 6               | 13              | 15              |
| $30 - 25 = \_$          | 13              | 8               | 6               | 5               |
| $45 - 20 = \_$          | 35              | 25              | 31              | 29              |
| $40 - 5 = \_$           | 35              | 41              | 31              | 30              |
| $45 - 5 = \_$           | 37              | 34              | 43              | 40              |
| $30 - 5 = \_$           | 35              | 18              | 25              | 31              |

## **Section 3**

| <b>Question Content</b> | <b>Option 1</b> | <b>Option 2</b> | <b>Option 3</b> | <b>Option 4</b> |
|-------------------------|-----------------|-----------------|-----------------|-----------------|
| $6 \times 9 = \_$       | 60              | 48              | 47              | 54              |
| $2 \times 8 = \_$       | 25              | 16              | 8               | 20              |
| $6 \times 3 = \_$       | 15              | 19              | 18              | 13              |
| $5 \times 2 = \_$       | 5               | 10              | 0               | 1               |
| $4 \times 7 = \_$       | 28              | 24              | 20              | 26              |
| $6 \times 5 = \_$       | 30              | 28              | 31              | 27              |
| $4 \times 5 = \_$       | 20              | 17              | 13              | 15              |
| $2 \times 6 = \_$       | 22              | 12              | 15              | 21              |
| $6 \times 20 = \_$      | 120             | 124             | 128             | 122             |
| $7 \times 10 = \_$      | 70              | 72              | 69              | 68              |
| $9 \times 20 = \_$      | 170             | 179             | 180             | 184             |
| $4 \times 10 = \_$      | 32              | 40              | 44              | 48              |
| $5 \times 20 = \_$      | 100             | 101             | 108             | 102             |
| $6 \times 10 = \_$      | 60              | 50              | 58              | 65              |
| $2 \times 20 = \_$      | 34              | 49              | 30              | 40              |



### Section 4

| Question Content          | Option 1                                                  | Option 2                                         | Option 3                       | Option 4                                                           |
|---------------------------|-----------------------------------------------------------|--------------------------------------------------|--------------------------------|--------------------------------------------------------------------|
| $5^2 = \underline{\quad}$ | 5                                                         | $5 \times 5 \times 5 \times 5$                   | $5 \times 5 \times 5$          | $5 \times 5$                                                       |
| $2^4 = \underline{\quad}$ | $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$ | $2 \times 2 \times 2 \times 2$                   | 2                              | $2 \times 2$                                                       |
| $2^2 = \underline{\quad}$ | 2                                                         | $2 \times 2$                                     | $2 \times 2 \times 2 \times 2$ | $2 \times 2 \times 2$                                              |
| $6^2 = \underline{\quad}$ | $6 \times 6$                                              | 6                                                | $6 \times 6 \times 6 \times 6$ | $6 \times 6 \times 6$                                              |
| $8^4 = \underline{\quad}$ | 8                                                         | $8 \times 8 \times 8 \times 8 \times 8 \times 8$ | $8 \times 8 \times 8 \times 8$ | $8 \times 8$                                                       |
| $1^4 = \underline{\quad}$ | $1 \times 1 \times 1 \times 1 \times 1 \times 1 \times 1$ | $1 \times 1$                                     | $1 \times 1 \times 1 \times 1$ | $1 \times 1 \times 1 \times 1 \times 1 \times 1 \times 1 \times 1$ |
| $5^4 = \underline{\quad}$ | $5 \times 5 \times 5 \times 5$                            | $5 \times 5 \times 5 \times 5 \times 5 \times 5$ | 5                              | $5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5$          |
| $5^3 = \underline{\quad}$ | 5                                                         | $5 \times 5 \times 5 \times 5$                   | $5 \times 5$                   | $5 \times 5 \times 5$                                              |
| $9^3 = \underline{\quad}$ | $9 \times 9 \times 9 \times 9$                            | $9 \times 9 \times 9 \times 9 \times 9$          | 9                              | $9 \times 9 \times 9$                                              |

### Section 5

| Question Content              | Option 1 | Option 2 | Option 3 | Option 4 |
|-------------------------------|----------|----------|----------|----------|
| $3 + \underline{\quad} = 4$   | 6        | 7        | 10       | 1        |
| $2 + \underline{\quad} = 10$  | 8        | 10       | 18       | 0        |
| $7 + \underline{\quad} = 10$  | 2        | 17       | 13       | 3        |
| $2 + \underline{\quad} = 11$  | 4        | 9        | 2        | 10       |
| $2 + \underline{\quad} = 6$   | 4        | 8        | 2        | 6        |
| $10 - \underline{\quad} = 4$  | 11       | 2        | 8        | 6        |
| $24 - \underline{\quad} = 22$ | 2        | 12       | 10       | 8        |
| $31 - \underline{\quad} = 26$ | 3        | 1        | 5        | 4        |
| $18 - \underline{\quad} = 13$ | 3        | 11       | 5        | 6        |
| $96 - \underline{\quad} = 87$ | 12       | 9        | 3        | 4        |
| $15 - \underline{\quad} = 10$ | 5        | 25       | 4        | 9        |
| $65 + \underline{\quad} = 70$ | 15       | 8        | 5        | 12       |
| $50 + \underline{\quad} = 54$ | 3        | 4        | 1        | 14       |
| $10 + \underline{\quad} = 15$ | 2        | 25       | 5        | 7        |
| $33 + \underline{\quad} = 42$ | 19       | 9        | 2        | 17       |

### Section 6

| Question Content                             | Option 1 | Option 2 | Option 3 | Option 4 |
|----------------------------------------------|----------|----------|----------|----------|
| $716 \times 87 \times 0 = \underline{\quad}$ | 6        | 1        | 0        | 9        |
| $941 \times 95 \times 0 = \underline{\quad}$ | 1        | 4        | 0        | 2        |
| $361 \times \underline{\quad} \times 67 = 0$ | 1        | 3        | 0        | 9        |
| $287 \times \underline{\quad} \times 58 = 0$ | 8        | 0        | 5        | 6        |
| $992 \times 25 \times \underline{\quad} = 0$ | 1        | 0        | 8        | 4        |
| $795 \times 73 \times \underline{\quad} = 0$ | 9        | 2        | 1        | 0        |
| $4 \times 0 = \underline{\quad}$             | 0        | 1        | 4        | 8        |
| $2 \times 0 = \underline{\quad}$             | 0        | 6        | 1        | 3        |
| $7 \times 0 = \underline{\quad}$             | 1        | 8        | 7        | 0        |
| $5 \times 0 = \underline{\quad}$             | 1        | 2        | 5        | 0        |



### Section 7

| Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|------------------|----------|----------|----------|----------|
| 54 _ 3 = 57      | +        | -        | X        | /        |
| 96 _ 9 = 105     | -        | X        | +        | /        |
| 41 _ 7 = 48      | -        | X        | +        | /        |
| 52 _ 2 = 54      | -        | X        | /        | +        |
| 41 _ 6 = 47      | -        | +        | X        | /        |
| 13 _ 4 = 9       | -        | +        | X        | /        |
| 52 _ 5 = 47      | -        | +        | X        | /        |
| 69 _ 2 = 67      | +        | -        | X        | /        |
| 65 _ 8 = 57      | +        | -        | X        | /        |
| 89 _ 8 = 81      | +        | -        | X        | /        |

### Section 8

| Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|------------------|----------|----------|----------|----------|
| Double of 6 = _  | 13       | 16       | 12       | 6        |
| Double of 4 = _  | 17       | 7        | 8        | 12       |
| Double of 7 = _  | 11       | 17       | 14       | 22       |
| Double of 8 = _  | 16       | 21       | 10       | 26       |
| Double of 35 = _ | 63       | 68       | 70       | 76       |
| Double of 5 = _  | 1        | 10       | 9        | 8        |
| Double of 45 = _ | 100      | 83       | 87       | 90       |
| Double of 15 = _ | 36       | 40       | 29       | 30       |
| Double of 40 = _ | 71       | 76       | 74       | 80       |
| Double of 78 = _ | 161      | 152      | 156      | 149      |
| Double of 55 = _ | 106      | 110      | 118      | 120      |
| Double of 84 = _ | 158      | 167      | 168      | 165      |
| Double of 61 = _ | 127      | 121      | 122      | 116      |
| Double of 33 = _ | 59       | 58       | 70       | 66       |

### Section 9

| Question Content | Option 1 | Option 2 | Option 3 | Option 4 |
|------------------|----------|----------|----------|----------|
| Triple of 8 = _  | 24       | 32       | 25       | 18       |
| Triple of 1 = _  | 13       | 4        | 3        | 1        |
| Triple of 3 = _  | 12       | 14       | 8        | 9        |
| Triple of 9 = _  | 17       | 36       | 28       | 27       |
| Triple of 7 = _  | 14       | 26       | 24       | 21       |



### **Section 10**

| <b>Question Content</b> | Option 1 | Option 2 | Option 3 | Option 4 |
|-------------------------|----------|----------|----------|----------|
| Half of 60 = _          | 21       | 40       | 30       | 26       |
| Half of 50 = _          | 25       | 21       | 35       | 19       |
| Half of 40 = _          | 28       | 15       | 25       | 20       |
| Half of 30 = _          | 21       | 11       | 15       | 16       |
| Half of 70 = _          | 36       | 27       | 35       | 25       |

### **Section 11**

| <b>Question Content</b> | Option 1 | Option 2 | Option 3 | Option 4 |
|-------------------------|----------|----------|----------|----------|
| $75 + 9 + 6 = \_$       | 90       | 89       | 99       | 85       |
| $22 + 9 + 9 = \_$       | 39       | 37       | 40       | 42       |
| $32 + 4 + 1 = \_$       | 37       | 28       | 29       | 44       |
| $36 + 7 + 1 = \_$       | 49       | 51       | 44       | 48       |
| $73 + 4 + 8 = \_$       | 88       | 85       | 78       | 87       |
| $14 + 8 - 6 = \_$       | 21       | 12       | 9        | 16       |
| $84 + 7 - 4 = \_$       | 96       | 87       | 94       | 92       |
| $93 + 7 - 6 = \_$       | 102      | 90       | 94       | 89       |
| $94 + 9 - 6 = \_$       | 97       | 103      | 105      | 101      |
| $75 + 1 - 1 = \_$       | 73       | 75       | 80       | 85       |
| $66 - 6 + 1 = \_$       | 61       | 64       | 68       | 57       |
| $40 - 6 + 3 = \_$       | 37       | 43       | 38       | 40       |
| $61 - 9 + 8 = \_$       | 60       | 68       | 59       | 51       |
| $71 - 8 + 8 = \_$       | 73       | 63       | 69       | 71       |
| $91 - 7 + 1 = \_$       | 89       | 86       | 85       | 81       |
| $60 + 9 = \_$           | 61       | 59       | 78       | 69       |
| $39 + 1 = \_$           | 40       | 35       | 33       | 30       |
| $39 + 7 = \_$           | 54       | 47       | 46       | 43       |
| $99 + 3 = \_$           | 110      | 102      | 95       | 105      |
| $73 + 1 = \_$           | 66       | 74       | 75       | 80       |



### Section 12

| Question Content                        | Option 1 | Option 2 | Option 3 | Option 4 |
|-----------------------------------------|----------|----------|----------|----------|
| $2 \times 2 \times 2 \times 2 = \_$     | $2^8$    | $2^4$    | $2^6$    | $2^2$    |
| $6 \times 6 \times 6 \times 6 = \_$     | $6^8$    | $6^9$    | $6^5$    | $6^4$    |
| $3 \times 3 = \_$                       | $3^4$    | $3^3$    | $3^2$    | $3^9$    |
| $2 \times 2 \times 2 = \_$              | $2^5$    | $2^3$    | $2^2$    | $2^9$    |
| $6 \times 6 \times 6 = \_$              | $6^2$    | $6^3$    | $6^9$    | $6^4$    |
| $53 \times 53 = \_$                     | $53^2$   | $53^1$   | $53^7$   | $53^8$   |
| $71 \times 71 \times 71 \times 71 = \_$ | $71^3$   | $71^2$   | $71^4$   | $71^7$   |
| $39 \times 39 \times 39 \times 39 = \_$ | $39^4$   | $39^5$   | $39^8$   | $39^7$   |
| $88 \times 88 = \_$                     | $88^2$   | $88^3$   | $88^5$   | $88^4$   |
| $12 \times 12 \times 12 \times 12 = \_$ | $12^2$   | $12^7$   | $12^5$   | $12^4$   |