



# INSTITUTE OF MATHEMATICS EDUCATION

## Junior Maths Olympiad (Primary Level)

### Solution

Std.: V and VI  
Time: 2 Hours

Date: 02.02.2025  
Total Marks: 100

**Q.1**  $20^\circ$   
**Q.3**

5	7	12
15	8	1
4	9	11

**Q.2** 91

12	-5	8
1	5	9
2	15	-2

12	13	8
5	11	17
16	9	8

and many more

**Q.4** 32

**Q.5** (i) 24, 60, 108  
(ii) 12, 108, 120  
(iii) 12, 24, 540  
(iv) 12, 60, 216  
More answers are possible

**Q.6** 93cm

**Q.7** (a) 840, (b) 246

**Q.8**  $\frac{1036}{55}$

**Q.9** (i) 50, (ii) 1275

**Q.10** z = 11101; R = A188

**Q.11** (i)  $a + b + c + d = 9$   
(ii)  $a = b = c = 2, d = 3.$

**Q.12** GOLD = 1285  
Digital root = 7

**Q.13** X = (3448)  
Y = 6017  
Z = 8592  
W = 22412

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