



# INSTITUTE OF MATHEMATICS EDUCATION

## Junior Maths Olympiad (Primary Level)

### Solution

Std.: V and VI

Time: 2 Hours

Date: 01.02.2026

Total Marks: 100

**Q.1** (i)  $X = 1038$  (ii)  $Y = 27B3$

**Q.2** 355550

**Q.3** (i)  $n = 8$  (ii) 60

**Q.4** 91

**Q.5** 7

**Q.6** (i) 390, (ii) 1430, (iii) 5915

**Q.7** (i)  $X = 10424$ , (ii)  $Y = 2104$ , (iii)  $P = 6560$ , (iv)  $Q = 33340$ , (v)  $R = 6014$ , (vi)  $S = 22140$

**Q.8**

2	1	3	4
4	5	1	3
1	2	4	5
5	3	2	1

OR

2	1	3	4
4	3	1	5
1	2	5	3
5	4	2	1

**Q.9** (i) 170 (ii) 158

**Q.10** (i)  $2^5 \times 3^3 \times 5^3$ , (ii)  $3 \times 5 \times 7 \times 11 \times 13 \times 2^2$ , (iii)  $2^3 \times 3^3 \times 5^2 \times 7$ ,  
(iv)  $2 \times 5 \times 7 \times 11 \times 13 \times 3^2$ , (v)  $2 \times 5 \times 7 \times 11 \times 13 \times 5^2$

**Q.11** 5, 12, 19

**Q.12** (i) 2 new stations

(ii) (a) 22 stations already on the rail track and 1 new station is added.

(b) 4 stations already on the rail track and 4 new stations are added.

**Q.13**  $\angle LCP = \angle LPC = 65^\circ$ . and  $\angle CLP = 50^\circ$

