



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 $\angle CLP = 50^\circ$

□ □ □ □ □ □