



INSTITUTE OF MATHEMATICS EDUCATION
JUNIOR MATHS OLYMPIAD – 2023 (Higher Primary Level)

Std. : VII and VIII
Time : 2 Hours

Question Paper Solution

Date : 05.02.2023
Total Marks : 100

Q.1. 3

Q.2. 450

Q.3. $\alpha^3 + \beta^3 + \gamma^3 = -\frac{197}{8}$

Q.4. 6

Q.5. 288

Q.7. 15

Q.8. $m = 84, n = 11$

Q.9. (i) Solution set = $[-3, -2] \cup [2, 3]$, (ii) [5]

Q.10. (i) 130, (ii) 30, (iii) 120, (iv) 20

Q.11. $3(2^{100} + 2^{101} - 2)$

Q.12. 1881

Q.13. (i) 56 (ii) 70 (iii) 315.

