



INSTITUTE OF MATHEMATICS EDUCATION

Junior Maths Olympiad (Higher Level)

Solution

Std.: VII and VIII

Time: 2 Hours

Date: 01.02.2026

Total Marks: 100

Q.1 $4 \leq x < 11 \Rightarrow x \in [4, 11)$

Q.2 66

Q.3 5 cm

Q.4 184

Q.5 9

Q.6 (i) 16 (ii) 5

Q.7 (i) 53, (ii) 5264

Q.8 6

Q.9 $\frac{-5}{6}$

Q.10 (ii) $\frac{14}{5}$

Q.11 202

Q.12 (ii) $\frac{1}{2}\sqrt{223}$

Q.13 (i) 91 (ii) 48

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