



Class 10 Mathematics – Arithmetic Progressions Worksheet (Advanced 1)

Name: _____

Date: _____

Q1. A TV manufacturer produced 600 sets in 3rd year and 700 in 7th year. Find production in 10th year.

Answer: 775 sets.

Q2. Find sum of first 51 terms if 2nd and 3rd terms are 14 and 18.

Answer: 5865.

Q3. Find number of terms whose sum is 636 in AP: 9,17,25...

Answer: 12 terms.

Q4. Find 20th term from last of AP: 3,8,13...253.

Answer: 158.

Q5. Find nth term of AP: 63,65,67...

Answer: $a_n = 63 + (n-1) \times 2$

Q6. Find sum of first 100 natural numbers.

Answer: 5050.