

Arithmetic Progression – MCQs (No Answers)

1. What is the 20th term of an AP with first term 2 and common difference 5?
A. 97 B. 100 C. 102 D. 105

2. If the 7th term of an AP is 29 and the 12th term is 49, what is the common difference?
A. 3 B. 4 C. 5 D. 6

3. In an AP, the sum of the first 10 terms is 155. If the first term is 5, what is the common difference?
A. 2 B. 2.5 C. 3 D. 3.5

4. Find the number of terms in the AP: 12, 17, 22, ..., 87.
A. 14 B. 15 C. 16 D. 17

5. The 3rd term of an AP is 12 and the 8th term is 27. Find the first term.
A. 2 B. 3 C. 4 D. 5

6. The sum of the first n terms of an AP is given by $S_n = 3n^2 + 2n$. What is the first term?
A. 2 B. 3 C. 5 D. 6

7. The average of all terms in the AP: 7, 11, 15, ..., 91 is:
A. 47 B. 48 C. 49 D. 50

8. In an AP, if the first term is 10 and the last term is 100, and the number of terms is 10, what is the sum of the series?
A. 500 B. 550 C. 600 D. 650

9. Which term of the AP 4, 9, 14, ..., is equal to 64?
A. 10th B. 11th C. 12th D. 13th

10. The sum of the first 25 terms of an AP is 1625. If the first term is 5, what is the common difference?
A. 4 B. 5 C. 6 D. 7

SOLVE THESE QUESTIONS

11. Find the 10th term of an AP whose first term is 7 and common difference is 3.
12. The 5th term of an AP is 20 and the common difference is 4. Find the first term.
13. Find the sum of the first 15 terms of an AP where the first term is 5 and the common difference is 2.
14. The 8th term of an AP is 31 and the first term is 7. Find the common difference.
15. If the sum of the first 20 terms of an AP is 210, and the first term is 2, find the common difference.
16. The first term of an AP is 4, and the 12th term is 38. Find the number of terms in the AP if the last term is 64.
17. Find the number of terms in the AP: 5, 8, 11, ..., 98.
18. The sum of first n terms of an AP is 360. If the first term is 6 and the last term is 30, find the number of terms.
19. The 15th term of an AP is 50, and the 25th term is 80. Find the common difference.
20. Find the average of the AP: 3, 6, 9, ..., 60.