

Class 10 – Maths

Chapter - 5 Arithmetic Progression

Quiz -2 (1- Mark Questions)

1. What will be the next term – $a, a + d, a + 2d, a + 3d$?

- (a) $a + d$
- (b) $a + 4d$
- (c) $a + 5d$
- (d) $a + 6d$

Ans – (b) $a + 4d$

2. What will be the 8th term - $\frac{5}{2}, 3, \frac{7}{2}, 4, \frac{9}{2}, \dots$

- (a) $-\frac{11}{2}$
- (b) $+7$
- (c) $-\frac{13}{2}$
- (d) $+6$

Ans – (d) $+6$

3. What will be the 10th term of this A.P. $a, 3a, 5a, 7a, \dots$

- (a) $18a$
- (b) $19a$
- (c) $21a$
- (d) $23a$

Ans – (b) $19a$

4. The n th term of the AP in $2, 5, 8, \dots$ is ?

- (a) $3n - 1$
- (b) $2n - 1$
- (c) $3n - 2$
- (d) $2n - 3$

Ans – (a) $3n - 1$

5. What is the next term of the AP in $1^2, 5^2, 7^2, 73 \dots$ is

- (a) 92
- (b) 99
- (c) 95 (d) 97

Ans – (d) 97

6. If initial term = 7 and common difference = 6 , what will be 5th term of this A.P. ?

- (a) 31
- (b) 38
- (c) 37
- (d) None of these

Ans – (c) 37

7. What is the 9th of this A.P. - $\sqrt{2}, \sqrt{8}, \sqrt{18}, \sqrt{32}, \dots$

- (a) $8\sqrt{2}$
- (b) $9\sqrt{2}$
- (c) $7\sqrt{2}$
- (d) $\sqrt{8}$

Ans (b) $9\sqrt{2}$

8. What is A_n in this A.P. 3,7,11,15,19,.....51.

- (a) 3
- (b) 4
- (c) 51
- (d) 37

Ans – (c) 51

9. Which is not an A.P.?

- (a) 1, 7, 13, 19....
- (b) $1^2, 2^2, 3^2, 4^2 \dots$

(c) $\frac{1}{2}, -\frac{1}{2}, -\frac{3}{2}, \dots$

(d) $0, -3, -6, -9, -12, \dots$

Ans – (b) $1^2, 2^2, 3^2, 4^2, \dots$

10. if $a = 7$ and $d = -3$, What will be the 7th terms of the A.P. ?

(a) -10

(b) -12

(c) -11

(d) None of these

Ans – (c) -11