

Arithmetic Progression

1. In an Arithmetic Progression, if $a=28$, $d=-4$, $n=7$, then a_n is:

- (a) 4
- (b) 5
- (c) 3
- (d) 7

2. If $a=6$ and $d=10$, then first THREE terms will be:

- (a) 10, 30, 50
- (b) 6, 16, 26
- (c) 16, 26, 28
- (d) 10, 18, 20, 30

3. The first term and common difference for the A.P. 4, 2, 0, -2, -4 is:

- (a) 1 and 3
- (b) -1 and 3
- (c) 4 and -2
- (d) 4 and 2 -2

4. 20th term of the A.P: 10, 7, 4, ..., is

- (a) -97
- (b) -47
- (c) -77
- (d) -87.

5. Which term of the A.P. 3, 8, 13, 18, ... is 78?

- (a) 12th
- (b) 13th
- (c) 15th
- (d) 16th

6. The common difference of AP whose first two terms are -3 and 4 is:

- (a) 17
- (b) 7
- (c) -7
- (d) 1

7. In an AP, if $d = -4$, $n = 7$, $a_n = 14$, then a is

(A) 10

(B) 27

(C) 30

(D) 38

8. The first four terms of an AP, whose first term is -2 and the common difference is -3 are

(a) $-2, -4, -6, -8$

(b) $-2, -5, -8, -11$

(c) $-2, -2, -2, -2$

(d) $2, 5, 8, 11$

9. If the numbers $n - 1$, $n + 3$ and $3n - 2$ are in AP, then the value of n is

(a) 1

(b) 2

(c) 3

(d) 4

10. Is 68 a term of AP $7, 10, 13, \dots$?

(a) YES

(b) NO