

MCQ worksheet 1 AP

- 1) 5, 8, 11, 14, preceding term of AP
a) 16 b) 17 c) 18 d) 15
- 2) nth term of an AP
a) $a_n = a - (n - 1)d$ b) $a_n = a + (n - 1)d$ c) $s_n = \frac{n}{2}[2a + (n - 1)d]$ d) $s_n = \frac{n}{2}[2a - (n - 1)d]$
- 3) If $a_n = 3n + 5$ is nth term of AP then 10th term is
a) 35 b) 53 c) 38 d) 33
- 4) If nth term of AP is $a_n = 5n - 3$ then their common difference.
a) -3 b) 2 c) 5 d) 8
- 5) 2, 4, 6, 8, 25th term of AP
a) 40 b) 50 c) 60 d) 80
- 6) Sum of first n natural numbers is
a) $\frac{n(n-1)}{2}$ b) $\frac{n(n+1)}{2}$ c) $\frac{n^2}{2}$ d) $n(n+1)$
- 7) If in an AP 5th term is 23 and 10th term is 38 then the common difference is
a) 3 b) 5 c) 15 d) 8
- 8) Sum of first n terms of AP is
a) $s_n = \frac{n}{2}[2a + (n - 1)d]$ b) $a_n = a + (n - 1)d$ c) $s_n = \frac{n}{2}[2a - (n - 1)d]$ d) $a_n = a - (n - 1)d$
- 9) In an AP of n terms if first and last terms are given then the sum of first n terms of AP
a) $s_n = \frac{n}{2}(a + a_n)$ b) $s_n = \frac{n}{2}(a - a_n)$ c) $s_n = \frac{n(n+1)}{2}$ d) $s_n = \frac{n}{2}[2a + (n - 1)d]$
- 10) 3, 7, 11, 83, 16th term from the last term of AP
a) 43 b) 23 c) 63 d) 67
- 11) 2, 5, 7,59 Number of terms of AP
a) 12 b) 19 c) 20 d) 25
- 12) Difference between 25th term and 20th term of AP is 45, then the common difference of the AP is
a) 5 b) 9 c) 3 d) 10
- 13) Which of the following is not an AP
a) 1, 4, 7, B) -5, -2, 1, C) 3, 7, 12, 18, D) 11, 14, 17, 20,
- 14) 14, 11, 8, common difference of the AP is.....
a) 14 b) 4 c) -3 d) 3
- 15) Sum of first 20 natural numbers is
a) 400 b) 200 c) 210 d) 555

"Answer here"

	A	B	C	D		A	B	C	D		A	B	C	D
1	☐	☐	☐	☐	6	☐	☐	☐	☐	11	☐	☐	☐	☐
2	☐	☐	☐	☐	7	☐	☐	☐	☐	12	☐	☐	☐	☐
3	☐	☐	☐	☐	8	☐	☐	☐	☐	13	☐	☐	☐	☐
4	☐	☐	☐	☐	9	☐	☐	☐	☐	14	☐	☐	☐	☐
5	☐	☐	☐	☐	10	☐	☐	☐	☐	15	☐	☐	☐	☐