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 10^{th} term is
   a) 35 b)53 c)38 c)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, ... 25^{th} 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 5^{th} term is 23 and 10^{th} 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, 16^{th} 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 25^{th} term and 20^{th} 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	○	○	○	○

LIVEWORKSHEETS