

11th Class FSC Mathematics Chapter 6 Test Online

Sr	Questions	Answers Choice
1	A geometric series is convergent only if:	A r > 1 B. r < 1 C. r = 1 D. none of these
2	If S is the H.M between 2 and b then b = :	A10 B. 10 C. 7 D. 5
3	If there are six G.Ms between 3 and 284 then G ₄ =	A. 24 B. 48 C. 12 D. 6
4	The reciprocal of the terms of A.P. form:	A. A.P B. G.P C. H.P D. none of these
5	The sum of 10 A.Ms between 3 and 47 is:	A. 50 B. 250 C. 100 D. 500
6	A clock strikes once when its hour hand is at one, twice when it is at two, and so on. How many times does the clock strike in ten hours?	A. 55 B. 78 C. 66 D. 46
7	Sum of all positive integral multiples of 3 less than 100 is:	A. 950 B. 760 C. 1230 D. 875
8	G.M between -2i and 8i is:	A. 4 or -4 B. 4i or -4i C. 2 or -2 D. none
9	A.M between x - 3 & x + 5 is:	A. x + 1 B. x - 1 C. 2x + 2 D. none
10	Reciprocals of the terms of the geometric sequence form:	A. A.P B. G.P C. H.P D. none
11	The series 2 + 2 + 2 is:	A. divergent B. convergent C. oscillatory D. none of these
12	7th term of G.P 3, 6, 12 is:	A. 512 B. 192 C. 48 D. 96
13	If $a_n = (n + 1) a_{n-1}$, $a_1 = 1$, second term of the sequence is:	A. 3 B. 1 C. 2 D. 4
14	Which number cannot be a term of a geometric sequence ?	A. 0 B. 1 C1 D. r
15	The next term of the sequence-1, 2, 12, 40,is:	A. 112 B. 212 C. 144 D. none

6	What is called the arrangement of numbers formed according to some definite rule?	A. arithmetic sequence B. geometricsequence C. sequence D. none of these
7	If $a_{n-1} = 2n - 3$ then $a_{n+1} =$	A. 2n - 1 B. 2n + 1 C. 2n + 3 D. none
8	An infinite sequence has no:	A. nth term B. last term C. sum D. none
9	The next term of the sequence 1, 6, 20, 56, is:	A. 112 B. 144 C. 212 D. none
0	A sequence of numbers whose reciprocal form an arithmetic sequence, is known as:	A. arithmetic sequence B. geometricsequence C. harmonicsequence D. none of these