

Arithmetic Progressions : Worksheet -6

1. Two APs have the same common difference. The difference between their 100th terms are 100, what is the difference between their 1000th terms?
2. How many three-digit numbers are divisible by 7?
3. For what value of n , are the n th terms of two APs: 63, 65, 67, ... and 3, 10, 17, ... are equal?



4. The sum of the 4th and 8th terms of an AP is 24 and the sum of the 6th and 10th terms is 44. Find the first three terms of the AP.

5. Subba Rao started work in 1995 at an annual salary of 5000 and received an Increment of 200 each year. In which year did his income reach 7000?

