

Maths : Numbers and Sequences

1. How many consecutive odd integers beginning with 5 will sum to 480.
2. Find the sum of all natural numbers between 602 and 902 which are not divisible by 4.
3. A man repays a loan of rs. 65,000 by paying rs. 400 in the first month and then increasing the payment by rs.300 every month. How long will it take for him to clear the loan?
4. Refer Pg.No. 68
Exercise 2.6
Sums nos: 11 and 12.
5. In a G.P. 729,243,81,....find t_7 .
6. The product of three consecutive terms of a G.P. is 343 and their sum is $91/3$. Find the three terms.
7. In a G.P. the product of three consecutive terms is 27 and the sum of the product of two terms taken at a time is $57/2$. Find the three terms.
8. If a, b, c are three consecutive terms of an A.P. and x, y, z are three consecutive terms of a G.P. then prove that x power of $b-c$, into y power of $c-a$, into z power of $a-b$ equal to one. (Refer Pg. No. 74, 12 th sums).