

If the prime factorisation of 2520 is $2^3 \times 3^a \times b \times 7$, then the value of

12.

回淡淡

16. The number of terms in the A.P. 3, 6, 9, 12, ..., 111 is:

(A) 36

(B) 40

(C) 37

(D) 30

(A) The sum of first and eighth terms of an A.P. is 32 and their product is 60. Find the first term and common difference of the A.P. Hence, also find the sum of its first 20 terms.

OR

(B) In an A.P. of 40 terms, the sum of first 9 terms is 153 and the sum of last 6 terms is 687. Determine the first term and common difference of A.P. Also, find the sum of all the terms of the A.P.