

1) How many terms are there in the geometric progression whose first term and the common ratio are $\frac{3}{4}$ and 3 respectively. If the sum of the terms is 22143?

2) The first term of a geometric series is $\sqrt{5}$, common ratio is -3 and the sum of the terms of the series is $-132860\sqrt{5}$. Find the number of terms in the series.

3) The sum of the terms of a geometric progression is -279935 and the common ratio is $-\frac{1}{3}$.

4) The sum of the terms of a geometric progression is 552 . The common ratio of the series is $-\frac{1}{2}$.

5) How many terms of the series $-8 - 16 - 32 - \dots$ must be taken to get the sum -524280 ?

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