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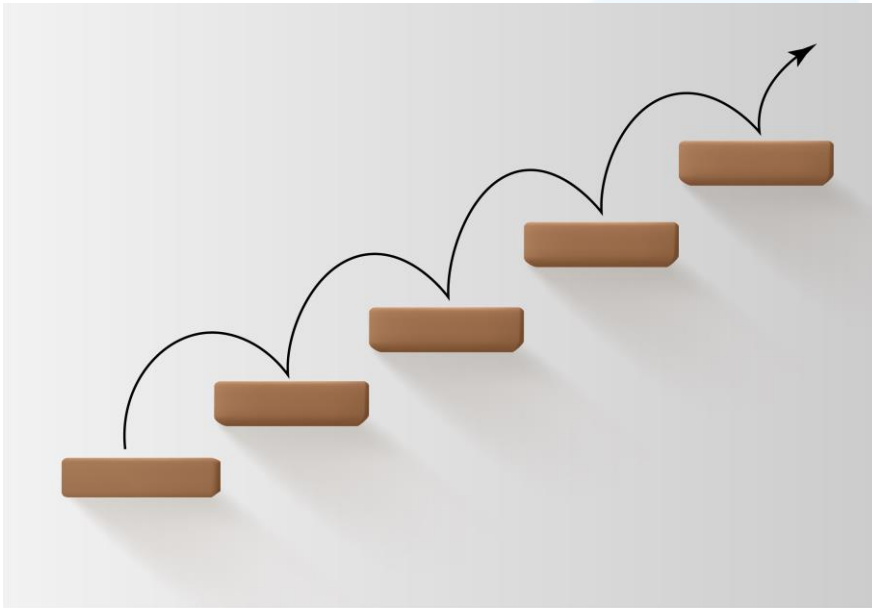
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SEQUENCES AND SERIES WORKSHEETS

1. Find the common ratio of the geometric series 5, 15, 45, 135,
2. Find the 12th term of the arithmetic progression if the fourth term is 26 and the common difference is 7.
3. Find the sixteenth term of the series 4, -2, -8, -14,
(a) -56 (b) -62 (c) -68 (d) -50 (e) -74



4. Find the sum of the first five two digit numbers which when divided by 5 leaves 2 as a remainder.
5. The 21st term of the series, 5, $7\frac{1}{2}$, 10, $12\frac{1}{2}$, 15, $17\frac{1}{2}$ is _____ .
(a) 99 (b) 66 (c) 55 (d) 44
6. Find the sum of the first five terms of the geometric progression having the first term as 2 and a common difference of 5.
7. The fourth and the seventh term of the AP is 23, and 41 respectively. Find the first three terms of the AP.

8. Find the sum of the 12 terms of the arithmetic progression such that the first term is 8 and the last term is 41.
9. What is the difference between the 11th and the 17th term of an arithmetic series, having a common difference of 9?
10. The average of three terms in **AP** is 47 and they have a common difference of 3. Find the smallest of these three terms.



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in an interesting way,
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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	3
2)	82
3)	-86
4)	110
5)	55
6)	1562

7)	5, 11, 17
8)	294
9)	54
10)	44