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SEQUENCES AND SERIES WORKSHEETS

1. What is the common difference of the arithmetic series $4, 7, 10, 13, \dots$?
2. Find the 11th term of the series $2, 7, 12, 17, \dots$
3. What is the difference between the 4th and 7th term of the series $5, 10, 15, 20, 25, \dots$?



4. The first term of the series is 8 and the common difference is 7. Find the first five terms of the arithmetic series.
5. Find the next three terms of the series $7, 17, 27, 37, \dots$
6. What is the sum of the first 10 terms of the series $7, 11, 15, 19, 23, \dots$?
7. In an arithmetic series the 6th term is 32 and the common difference is 5. Find the first three terms of the series.
8. The sum of the n terms $61, 65, 69, 73, \dots$ is equal to 600. Find the value of n .
9. The 20th and 30th terms of the arithmetic series is 120 and 180 respectively. Find the first two terms of this series.
10. The common ratio of a geometric series is $7, 35, 175, \dots$ is _____

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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)	52
3)	15
4)	8, 15, 22, 29, 36, ...
5)	47, 57, 67
6)	250

7)	7, 12, 17
8)	8
9)	6, 12
10)	5