

Total points 25/25 ?

Topic: AP and GP

0 of 0 points



Name of the Candidate *

M5

Place of the candidate *

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lease watch the following videos and ansuestions	swer the following	25 of 25 points
ps://youtu.be/3BREHkSz4h8 ps://youtu.be/fY0ezJxVZZk ps://youtu.be/LSq7irqdmgc		
1. If 13, X, 22 are three consecutive to*17.5	erms of an AP. What is t	the value of X?1
17		
17		
35		

✓ 2. If a, b, c are three consecutive terms of an Arithmetic Progression (AP),1/1 then which among the following is true? *

- \bullet b = (a+b+c)/3
- b = c a
- b = (a+b+c)/2
- \bigcirc b = a + c

Feedback

b=(a+b+c)/3

√ 3. Which term of the sequence 1, 6, 11,...... is 301?*

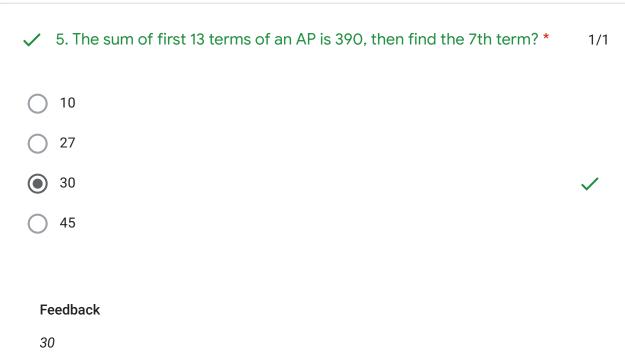
- 60
- **50**
- 62
- 61

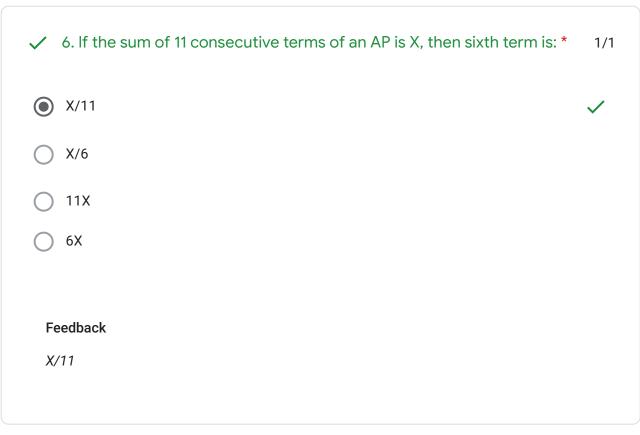
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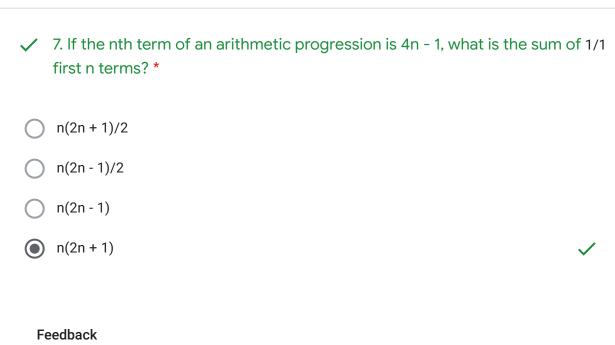
61

!

 4. Number of terms common to the tv 315 and 4, 8, 12,, 604 is: * 	vo arithmetic progressions 5, 10, 15,1/1
<u> </u>	
<u> </u>	
15	✓
<u> </u>	
Feedback	
15	







n(2n + 1)

✓ 8. If the nth term of an AP is 2n + 1, then the sum of first three terms is? * 1/1
O 12
O 21
O 8
Feedback
15
 9. Find the sum of the 'n' terms of an arithmetic progression whose first 1/1 term is 'a' and the last term is 'b' is *
O 1/2
(n/2)(a+b)
(b-a)/2

!

(n/2)(b-a)

Feedback

(n/2)(a+b)

10. What is the sum of the even integers from 100 to 1000? *	1/1
280450	
250840	
248050	✓
208450	
Feedback	
248050	
11. Find the sum of the numbers lying between 200 and 700 which a multiples of 5? *	are 1/1
44550	~
4455034440	✓
	✓
34440	✓
3444065240	✓
3444065240	

!

✓ 12. Find the 10th term of 2,6,10,14,18 *	1/1
35	
38	✓
<u>24</u>	
<u>58</u>	
✓ 13. Find the total number of term of 5,9,13,89 *	1/1
<u> </u>	
O 21	
22	✓
O 23	
✓ 14. Find the sum of 10 items of AP -11, -8, -5,*	1/1
25	✓
O 30	
O 45	

!

✓ 15. Find the sum of first 100 items of AP of 1, 4, 6, 5, 11, 6,......* 1/1 3600 7600 4750 6175 √ 16. Find the sum of first 99 terms 1-2-3+2-3-4+3-4-5+..... * 1/1 -600 -599 -660 -626 ✓ 17. Find the sum of all two digit numbers which will exactly divided by 9? *1/1 478 585 999 499

18. Find the sum of all two digit numbers when they are divided by 9 leaves remainders 3? *	1/1
O 625	
O 425	
450	
525	✓
19. The sum of 2nd and 5th term of AP is 8 and that of the 3rd and 7th term is 14. Find the 11th term of AP? *	1/1
<u> </u>	
O 18	
19	✓
O 14	
✓ 20. Find the 10th term of 5,10,20,40 *	1/1
2566	
2560	✓
3560	

✓ 21. Find the sum of 10 terms of a GP. Sn = a(r^n - 1) /r -1. a=5 , r = 2 * 1/1
 3612
 5115
 ✓
 4512
 5111

✓ 22. The 7th term of a GP is 8 times of the fourth term. What will be the first term, if its 5th term is 48? *
○ 5
○ 8
○ 6
● 3

23. Find the 20th term of 3/5, 3/7, 3/9, 3/11*
 3/43
 3/45
 3/47

24. Find the Harmonic Mean between 2 and 6 *	1/1
O 2	
3	✓
O 4	
<u> </u>	
25. Find the HM between 5 and 12? *	1/1
	.,.
O 120/11	., .
120/117	
	✓
7	✓
7	✓

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