



# MATHS

## BOOKS - NAVNEET PUBLICATION

### ARITHMETIC PROGRESSION

Solved

1. Which of the following sequences are A.P.? If they A.P. find the common difference.

2, 4, 6, 8. . . . .



[Watch Video Solution](#)

2. Which of the following sequences are A.P.? If they A.P. find the common difference.

$$2, \frac{5}{2}, 3, \frac{7}{2} \dots$$



[Watch Video Solution](#)

3. Which of the following sequences are A.P.? If they A.P. find the common difference.

$$-10, -6, -2, 2, \dots$$





[Watch Video Solution](#)

4. Following sequences is in A.P.? If A.P. find the common difference.

0.3, 0.33, 0.333, . . .



[Watch Video Solution](#)

5. Which of the following sequences are A.P.? If they A.P. find the common difference.

0, -4, -8, -12, ...



[Watch Video Solution](#)

6. Which of the following sequences are A.P.? If they A.P. find the common difference.

$$-\frac{1}{5}, -\frac{1}{5}, -\frac{1}{5}, \dots$$



[Watch Video Solution](#)

7. Which of the following sequences are A.P.? If they A.P. find the common difference.

$$3, 3 + \sqrt{2}, 3 + 2\sqrt{2}, 3 + 3\sqrt{2}, \dots$$



[Watch Video Solution](#)

8. Which of the following sequences are A.P.? If they A.P. find the common difference.

127, 132, 137, ...



[Watch Video Solution](#)

9. Write an A.P. whose first term is  $a$  and common difference is  $d$  in each of the following:

$$a = 10, d = 5$$



 Watch Video Solution

**10.** Write an A.P. whose first term is  $a$  and common difference is  $d$  in each of the following:

$$a = -3, d = 0$$



Watch Video Solution

**11.** Write an A.P. whose first term is  $a$  and common difference is  $d$  in each of the

following:

$$a = -7, d = \frac{1}{2} \text{ i. e. } 0.5$$



[Watch Video Solution](#)

**12.** Write an A.P. whose first term is a common difference is  $d$  in each of the following.

$$a = -1.25, d = 3$$



[Watch Video Solution](#)

**13.** Write an A.P. whose first term is  $a$  and common difference is  $d$  in each of the following:

$$a = 6, d = -3$$



**Watch Video Solution**

**14.** Write an A.P. whose first term is  $a$  and common difference is  $d$  in each of the following:

$$a = -19, d = -4$$







[Watch Video Solution](#)

**15.** Find the first term and common difference for the A.P.  $5, 1, -3, -7$



[Watch Video Solution](#)

**16.** Find the first term and common difference for the A.P.  $0.6, 0.9, 1.2, 1.5$



[Watch Video Solution](#)

**17.** Find the first term and common difference for the A.P. 127, 135, 143, 151, ...



**Watch Video Solution**

**18.** Find the first term and common difference

for the A.P.  $\frac{1}{4}, \frac{3}{4}, \frac{5}{4}, \frac{7}{4}$



**Watch Video Solution**

**19.** Write the correct number in the given blanks from the following A.P. 1, 8, 15, 22.

$$a = \dots \quad t_1 = \dots, t_2 = \dots, t_3 = \dots$$

$$t_2 - t_1 = \dots \quad \text{and} \quad t_3 - t_2 = \dots, \quad \text{hence}$$

$$d = \dots$$



[Watch Video Solution](#)

**20.** Write the correct number in the given blanks from the following A.P. 3, 6, 9, 12.

$$a = \dots \quad t_1 = \dots, t_2 = \dots, t_3 = \dots$$

$$t_2 - t_1 = \dots \quad \text{and} \quad t_3 - t_2 = \dots, \quad \text{hence}$$

$$d = \dots$$



[Watch Video Solution](#)

21. Write the correct number in the given blanks from the following A.P.

$$-3, -8, -13, -18. \quad a = \dots$$

$$t_1 = \dots, t_2 = \dots, t_3 = \dots$$

$$t_2 - t_1 = \dots \text{ and } t_3 - t_2 = \dots, \quad \text{hence}$$

$$d = \dots$$



[Watch Video Solution](#)

22. Write the correct number in the given blanks from the following A.P. 70, 60, 50, 40.

$$a = \dots \quad t_1 = \dots, t_2 = \dots, t_3 = \dots$$

$$t_2 - t_1 = \dots \quad \text{and} \quad t_3 - t_2 = \dots, \quad \text{hence}$$

$$d = \dots$$



Watch Video Solution

**23.** Decide whether following sequence is an A.P., if so find 20th term of the progression.

$-12, -5, 2, 9, 16, 23, 30, \dots$



Watch Video Solution

**24.** Find the  $25^{th}$  term of A.P

12, 16, 20, 24, . . . . .



**Watch Video Solution**

**25.** Find the  $19^{th}$  term of the following A.P.

7, 13, 19, 25, . . .



**Watch Video Solution**

**26.** Find the  $27^{\text{th}}$  term of the following A.P.

9, 4, - 1, - 6, - 11, . . . .



**Watch Video Solution**

**27.** How many three digit natural numbers are divisible by 5?



**Watch Video Solution**

**28.** The 11th term and the 21st term of an A.P are 16 and 29 respectively, then find the 41st term of that A.P.



**Watch Video Solution**

**29.** Which term of the A.P.

$11, 8, 5, 2, \dots$  is  $-151$ ?



**Watch Video Solution**



**30.** How many natural numbers from 10 to 250 are divisible by 4?



**Watch Video Solution**

**31.** In an A.P  $17^{th}$  term is 7 more than  $10^{th}$  term. Find the common difference?



**Watch Video Solution**

**32.** Derive the formula for the  $n$ th term of the sequence of odd natural numbers and even natural numbers. The difference between any two consecutive odd or even natural numbers is 2, i.e.  $d=2$ .



[Watch Video Solution](#)

**33.** Find the sum of the first  $n$  natural numbers.



[Watch Video Solution](#)

**34.** Find the sum of the first  $n$  odd natural numbers



**Watch Video Solution**

**35.** Find the sum of the first  $n$  even natural numbers



**Watch Video Solution**

**36.** Find the sum of all odd numbers from 1 to 150.



**Watch Video Solution**

**37.** The first term of an A.P. is 6 and the common difference 3. Find  $S_{27} = ?$



**Watch Video Solution**

**38.** Find the sum of the first 123 even natural numbers.



**Watch Video Solution**

**39.** Find the sum of all even numbers between 1 and 350.



**Watch Video Solution**

**40.** In an A.P. 19th term is 52 and 38th term is 128. Find the sum of first 56 terms.



**Watch Video Solution**

**41.** Find the sum of natural numbers from 1 to 140 which are divisible by 4.



**Watch Video Solution**

**42.** Sum of first 55 terms in an A.P is 3300. Find its 28<sup>th</sup> term.



**Watch Video Solution**

**43.** In an A.P sum of three consecutive terms is 27 and their product is 504, find the terms. (Assume that three consecutive terms in A.P are  $a - d, a, a + d$ ).



**Watch Video Solution**

**44.** Find four consecutive terms in an A.P. whose sum is 12 and the sum of 3<sup>rd</sup> and 4<sup>th</sup> term is 14. (Assume the four consecutive terms in A.P are  $a - d, a, a + d, a + 2d$ ).



[Watch Video Solution](#)

**45.** If the 9<sup>th</sup> term of an A.P is *zero* then show that the 29<sup>th</sup> term is twice the 19<sup>th</sup> term.



[Watch Video Solution](#)



**46.** On 1st January 2016, Sanika decides to save ₹10, ₹11 on second day, ₹12 on third day. If she decides to save like this, then on 31st December 2016 what would be her total saving?



**Watch Video Solution**

**47.** A man borrows ₹8000 and agrees to repay with a total interest of ₹1360 in 12 monthly installments, each installment being less than

the preceding one by ₹40. Find the amount of the first and last installment.



[Watch Video Solution](#)

**48.** Sachin invested in a national saving certificate scheme. In the 1st year, he invested ₹5000, in 2nd year ₹7000, in 3rd year ₹9000 and so on. Find the total amount he invested in 12 years.



[Watch Video Solution](#)

**49.** There is an auditorium with 27 rows of seats. There are 20 seats in the first row, 22 seats in the second row, 24 seats in the third row and so on. Find the number of seats in 15th row and the total seats in the auditorium.



**Watch Video Solution**

**50.** Kargil's temperature was recorded for a week i.e Monday to Saturday. All readings were in A.P .The sum of temperatures of Monday and Saturday was  $5^{\circ}C$  more than the sum of

temperatures of Tuesday and Saturday. If temperature of Wednesday was  $-30^{\circ}C$ , then find the temperature on the other five days.



[Watch Video Solution](#)

51. On the World Environment Day tree plantation programme was arranged on a land which is triangular in shape. Trees are planted such that in the first row there is one tree, in the second row there are two trees, in the

third row there are three trees and so on.

Then find the total number of trees in 25 rows.



[Watch Video Solution](#)

**52.** Choose the correct alternative answer for each of the following subquestions:

The sequences  $-10, -6, -2, 2, \dots$

A. is an A.P. reason  $d=-16$

B. is an A.P, reason  $d=4$

C. is an A.P, reason  $d=-4$

D. is not an A.P.

**Answer:**



**Watch Video Solution**

**53.** Choose the correct alternative answer for each of the following subquestions:

The first four terms of A.P. having the first term -2 and the common difference -2 are...



**Watch Video Solution**

**54.** Choose the correct alternative answer for each of the following subquestions:

What is the sum of the first 30 natural numbers?

A. 464

B. 465

C. 462

D. 461

**Answer:**



**Watch Video Solution**

**55.** Choose the correct alternative answer for each of the following subquestions:

For an A.P. if  $t_7=4, d=-4$ , then  $a=...$

A. 6

B. 7

C. 20

D. 28

**Answer:**



**Watch Video Solution**



**56.** Choose the correct alternative answer for each of the following subquestions:

For an A.P. if  $a=3.5$ ,  $d=0$ ,  $n=101$ , then  $t_n=.....$

A. 0

B. 3.5

C. 103.5

D. 104.5

**Answer:**



Watch Video Solution

**57.** Choose the correct alternative answer for each of the following subquestions:

For an A.P. , the first two terms are  $-3.4$  . The 21st term is....

A.  $-143$

B.  $143$

C.  $137$

D.  $17$

**Answer:**



**Watch Video Solution**

**58.** Choose the correct alternative answer for each of the following subquestions:

If for an A.P.  $d=5$ , then  $t_{18}-t_{13}=\dots\dots$

- A. 5
- B. 20
- C. 25
- D. 30

**Answer:**



**Watch Video Solution**

**59.** Choose the correct alternative answer for each of the following subquestions:

The sum of the first five multiples of 3 is.....

A. 45

B. 55

C. 15

D. 75

**Answer:**



**Watch Video Solution**

**60.** Choose the correct alternative answer for each of the following subquestions:

The sum of the first ten terms of the A.P.

15,10,5,.....is....

A. -75

B. -125

C. 75

D. 125

**Answer:**



**Watch Video Solution**

**61.** Choose the correct alternative answer:

The first term of an A.P. is 1 and  $n$ th term is 20.

If  $S_n = 399$ , then  $n = ?$

A. (a) 42

B. (d) 38

C. (c) 21

D. (d) 19

**Answer:**



**Watch Video Solution**

**62.** Find the fourth term from the end of the

A.P.  $-11, -8, -5, \dots, 49$ .



**Watch Video Solution**

**63.** In an A.P  $10^{\text{th}}$  term is 46, sum of  $5^{\text{th}}$  term and  $7^{\text{th}}$  term is 52. Find the A.P.



**Watch Video Solution**

**64.** Find the sum of the first ten terms of the A.P. whose 4th term is -15 and 9th term is -30.



**Watch Video Solution**



**65.** Two A.P's are given as  $9, 7, 5, \dots$  and  $24, 21, 18, \dots$ . If  $n$ th term of both the progressions are equal then find the value of  $n$  and  $n$ th term.



**Watch Video Solution**

**66.** If sum of  $3$ rd and  $8$ th term of an A.P is  $7$  and sum of  $7$ th and  $14$ th term is  $-3$ , then find  $10$ th term.



**Watch Video Solution**

**67.** In an A.P, first term is  $-5$  and last term is  $45$ . If sum of all the numbers in the A.P is  $120$ , then how many terms are there? What is the common difference?



**Watch Video Solution**

**68.** Sum of  $1$  to  $n$  natural numbers is  $36$ . Find the value of  $n$ .



**Watch Video Solution**

**69.** Divide 207 in three parts, such that all parts are in A.P and product of two smaller parts is 4623.



**Watch Video Solution**

**70.** There are 37 terms in an A.P. The sum of three terms placed exactly at the middle is 225 and the sum of last three terms is 429. Write the A.P.



**Watch Video Solution**

71. If first term of an A.P is  $a$ , second term is  $b$  and last term is  $c$ , then show that sum of all the terms is  $\frac{(a + c)(b + c - 2a)}{2(b - a)}$ .



[Watch Video Solution](#)

72. If the sum of first  $p$  terms of an A.P is equal to the sum of first  $q$  terms, then show that the sum of its first  $(p + q)$  terms is *zero*. ( $p \neq q$ ).



[Watch Video Solution](#)

**73.** If  $m$  times the  $m$ th term of an A.P is equal to  $n$  times its  $n$ th term then show that  $(m + n)$ th term of the A.P is zero.



[Watch Video Solution](#)

**74.** ₹1000 is invested at 10% simple interest. Check at the end of every year if the total interest amount is in A.P. If this is an A.P then find interest amount after 20 years.



[Watch Video Solution](#)

## Exercise

1. Solve :  $1 + 5 + 9 + \dots + x = 1770$



[Watch Video Solution](#)

2. How many numbers are there from 10 to 300 which when divided by 4 leave the remainder 3?



[Watch Video Solution](#)

3. Choose the correct alternative from those given below each question:

What is the sum of first  $n$  natural numbers?

A.  $[n(n-1)]/2$

B.  $[n(n+1)]/2$

C.  $n/2(n-2)$

D.  $[n(n+2)]/2$

**Answer:**



**Watch Video Solution**

4. Choose the correct alternative from those given below each question:

The first four terms of an A.P. having the first term  $-7$  and the common difference  $3$  are .



[Watch Video Solution](#)

5. Choose the correct alternative from those given below each question:

Which of the following is the sum of the first 10 natural numbers?



A. 11

B. 20

C. 65

D. 55

**Answer:**



**Watch Video Solution**

**6.** Choose the correct alternative from those given below each question:

For an A.P. , if  $t_n = 24, n = 12, d = 2$ , then what is the value of  $a$ ?

A. 2

B. 1

C. 12

D. 24

**Answer:**



**Watch Video Solution**

7. Choose the correct alternative from those given below each question:

What is the 16th term of an A.P. whose first two terms are 100,105?

A. 195

B. 185

C. 175

D. 165

**Answer:**



Watch Video Solution

8. Choose the correct alternative from those given below each question:

If for an A.P.  $d=10$ , what is  $t_6-t_2$ ?

A. 10

B. 20

C. 30

D. 40

**Answer:**





9. Choose the correct alternative from those given below each question:

Which of the following are the terms of an A.P.?

A. 1 , 3 , 6 , 10 , ....

B. 3 , 6 , 12 , 24 , ....

C. 28 , 26 , 24 , 22,....

D. 4 , 2 , 3 , 1 , ....

**Answer:**



**Watch Video Solution**

**10.** Choose the correct alternative from those given below each question:

What is the sum of first 10 terms of the A.P.  
15, 10, 5...?

A. -75

B. -125

C. 75

D. 125

**Answer:**



**Watch Video Solution**

**11.** Choose the correct alternative from those given below each question:

For an A.P. if  $a=2$  and  $d= 2.5$  the which is the seventh term?

A. 17

B. 15

C. 13

D. 11

**Answer:**



**Watch Video Solution**

**12.** Choose the correct alternative:

For an A.P.,  $t_1 = 2$ ,  $t_n = 41$  and  $S_n = 860$ .

What is the value of  $n$ ?



A. (a) 31

B. (b) 30

C. (c) 41

D. (d) 40

**Answer:**



**Watch Video Solution**

**13.** Choose the correct alternative from those given below each question:

For an A.P. if  $a=3, d=5$ , what is the value of  $t_{11}$ ?

A. 53

B. 58

C. 85

D. 35

**Answer:**



**Watch Video Solution**

**14.** Choose the correct alternative from those given below each question:

For an A.P.  $a=1$  and  $d=4$ . What is the value of  $n$ ,  
if  $t_n=81$ ?

A. 22

B. 21

C. 20

D. 19

**Answer:**



**Watch Video Solution**

**15.** Choose the correct alternative from those given below each question:

Which of the following sequences are in A.P.?

(i) 1, 3, 6, 10, ...

(ii) 3, 8, 13, 18, ...

(iii) 7, 4, 1, -2, ...

(iv) -10, 13, -16, 19, ...

A. (i) and ii

B. ii and iii

C. iii and iv

D. iv and i

**Answer:**



**Watch Video Solution**

**16.** Choose the correct alternative from those given below each question:

What is the common difference (d) of the A.P.

2, - 2, - 6, - 10...?

A. -4

B. 2

C. -2

D. 4

**Answer:**



**Watch Video Solution**

**17.** Choose the correct alternative:

The first term of an A.P. is 1 and  $n$ th term is 25.

If  $S_n = 520$ , then  $n = \dots$

A. (a) 45

B. (b) 30

C. (c) 50

D. (d) 40

**Answer:**



**Watch Video Solution**

**18.** Find the first term of the sequence:

$$t_n = 3n + 1$$



 [Watch Video Solution](#)

**19.** Find the first term of the sequence:

$$t_n = \frac{1}{n^2} - 1$$



[Watch Video Solution](#)

**20.** Find the first term of the sequence:

$$t_n = 4n - 3$$



[Watch Video Solution](#)



**21.** Write the next two terms of an A.P. , if  $a=11$  and  $d=2$ .



**Watch Video Solution**

**22.** Find the second and third terms of an A.P. whose first term is  $-2$  and the common difference is  $-2$ .



**Watch Video Solution**

23. Find  $S_3$  for the A.P. 3, 5, 7, 9, . . .



[Watch Video Solution](#)

24. What is the 6th term of the sequence  
3, 5, 8, 12, 17?



[Watch Video Solution](#)

25. For the given A.P. write the values of  $a$  and  
 $d$ .

400, 360, 320, . . .



[Watch Video Solution](#)

**26.** For the given A.P. write the values of  $a$  and  $d$ .

5, 12, 19, . . . .



[Watch Video Solution](#)

**27.** For the given A.P. write the values of  $a$  and  $d$ .

2, -2, -6, ...



[Watch Video Solution](#)

**28.** Write the 2nd and 3rd terms of the A.P., if

$$a = 10, d = 5$$



[Watch Video Solution](#)

**29.** Write the 2nd and 3rd terms of the A.P., if

$$a = -12, d = -4$$



[Watch Video Solution](#)

**30.** If for an A.P.,  $d=20$ , what is the value of  $t_6 - t_2$ ?



**Watch Video Solution**

**31.** What is the value of  $d$  for an A.P., if  $t_3=12$  and  $t_7=36$ ?



**Watch Video Solution**

**32.** If for an A.P, the 1st term is 2 and the 10th term is 48, then what is the sum of the first 10 terms?



**Watch Video Solution**

**33.** For an A.P. 8 th term is 17. Write an equation relating a and d.



**Watch Video Solution**

**34.** Write the two missing terms of the A.P.,

12, 19, 26, . . . . ., 40, . . .



**Watch Video Solution**

**35.** Which of the following sequence are A.P.?

1, 3, 6, 10, . . . .



**Watch Video Solution**

**36.** Which of the following sequence are A.P.?

1, 4, 7, 10, ...



**Watch Video Solution**

**37.** Which of the following sequence are A.P.?

22, 26, 28, 31, ...



**Watch Video Solution**



**38.** Which of the following sequence are A.P.?

$-10, -13, -16, -19, \dots$



**Watch Video Solution**

**39.** The  $n$ th term of the A.P.  $3, 8, 13, 18, \dots$  is 148.

Find  $n$ .



**Watch Video Solution**

**40.** Write the next four terms of the A.P.

2, 5, 8, 11, ...



**Watch Video Solution**

**41.** The first term and the common difference of an A.P. are 12 and 4 respectively. If  $t_n = 96$ , find  $n$ .



**Watch Video Solution**

**42.** The first term of an A.P is  $-3$  and the  $10^{th}$  term is  $15$  Find  $S_{10}$ .



**Watch Video Solution**

**43.** For an A.P. if  $S_{10} = 150$  and  $S_9 = 126$ , find  $t_{10}$ .



**Watch Video Solution**

**44.** Find the 23rd term of the A.P,  
 $9, 4, -1, -6, \dots$



**Watch Video Solution**

**45.** Find the common difference of the A.P. if  
 $a = 100$  and  $t_{20} = 176$ .



**Watch Video Solution**

**46.** Find  $t_{12}$  for the A.P,  $12, 9, 6, \dots$



[Watch Video Solution](#)

**47.** There are 25 rows of seats in an auditorium. The 1st row is of 20 seats , the 2nd row of 22 seats , the 3rd row of 24 seats and so on. How many seats are there in the 21st row ?



[Watch Video Solution](#)

**48.** Find the sum of the first 100 natural numbers.



**Watch Video Solution**

**49.** Find the sum of the first 50 even natural numbers.



**Watch Video Solution**

**50.** Find the sum of the first 25 odd natural numbers.



**Watch Video Solution**

**51.** For an A.P,  $t_6 = -10$  and  $t_{14} = -34$ . Find the value of  $t_{10}$ .



**Watch Video Solution**

**52.** For an A.P,  $a=25$  and  $t_{20}=500$  . Find the common difference  $d$ .



**Watch Video Solution**

**53.** How many two digit numbers are divisible by 4?



**Watch Video Solution**



**54.** The first term of an A.P. is 5 and the common differences is 4. Complete the following activity to find the sum of first 12 terms of the A.P.



**Watch Video Solution**

**55.** Find the sum of first 1000 positive integers.



**Watch Video Solution**

**56.** Which term of the A.P. 3, 11, 19, 27, ... is 547?



**Watch Video Solution**

**57.** How many two -digit numbers are there divisible by 3?



**Watch Video Solution**

**58.** Find  $t_n$  for the A.P. 3, 8, 13, 18, ...



[Watch Video Solution](#)

**59.** Is the sequence  $-10, -4, 2, 8, \dots$  an A.P.? Find the 31st term, if it is an A.P.



[Watch Video Solution](#)

**60.** Find the value of  $t_7 + t_9$  for the A.P.  
 $7, 13, 19, 25, \dots$



[Watch Video Solution](#)

61. Which term of the A.P.  $50, 40, 30, 20, \dots$  is the number  $-940$ ?



[Watch Video Solution](#)

62. Find  $S_{15}$ , if for an A.P.  $a=10$  and  $d=3$ .



[Watch Video Solution](#)

63. Find  $S_{10}$ , for an A.P.  $0, \frac{1}{6}, \frac{1}{3}, \dots$



[Watch Video Solution](#)

**64.** The sum of the 3rd and 7th terms of an A.P. is 6 and their product is 8. Find the 1st term (a) and the common difference (d) of the A.P.



**Watch Video Solution**

**65.** Find the sum of all natural numbers between 1 and 145 which are divisible by 4.



**Watch Video Solution**

**66.** Find  $S_{30}$ , if the first term of an A.P. is 10 and the common difference 5.



**Watch Video Solution**

**67.** Sachin invested some amount in National Savings certificates in a specific way. In the first year, he invested Rs 4000, in the second year Rs 6000, in the third year Rs 8000 and so on for 12 years . Find the total amount he invested in 12 years.



**Watch Video Solution**

**68.** Find the sum of the first 100 terms of the A.P. 12, 14, 16, 18, . . . .



**Watch Video Solution**

**69.** Open ended question :

Write an A.P. in which  $a=10$  and  $d$  is any positive number. Find  $S_{10}$  of this A.P. can  $-80$  be a term in thi A.P.? Give reason.



**Watch Video Solution**

**70.** Amit saves certain amount every month in a specific way in the first month he saves Rs 200, in the second month Rs 250, in the third month Rs 300 and so. On. How much will be his savings in 17 months?



[Watch Video Solution](#)

**71.** If the 9th and 21st terms of an A.P. are 75 and 183 respectively, find its 81st term.



[Watch Video Solution](#)



**72.** Find the sum of even numbers between 1 to 300.



**Watch Video Solution**

**73.** The sum of 45 terms of an A.P. is 3195. Find its 23rd term.



**Watch Video Solution**

**74.** The sum of three consecutive terms of an A.P. is 30 and their product is 360. Find the terms.



**Watch Video Solution**

**75.** The sum of four consecutive terms of an A.P. is 2. The sum of the 3rd and 4th terms is 11. Find the terms.



**Watch Video Solution**

**76.** One person borrows Rs 4000 and agrees to repay with a total interest of Rs 500 in 10 instalments. Each instalment is less than the preceding instalment by Rs 10 . What would be the first and last instalments?



**Watch Video Solution**