

Name : _____

Find the AP

L1S1

- 1) Determine the arithmetic sequence whose fourth term is $\frac{17}{12}$ and eighteenth term is $\frac{59}{12}$.

- 2) The 17th term of the sequence is -139 and the 26th term is -193 . Find the arithmetic progression.

- 3) Find the arithmetic progression whose sixth term is -9.2 and sixteenth term is -47.2 .

- 4) If the eleventh term of a sequence is $-31\sqrt{3}$ and the nineteenth term is $-55\sqrt{3}$, find the arithmetic sequence.

- 5) The 8th and 21st terms of an arithmetic progression are 56 and 121 respectively, find the arithmetic progression.

Name : _____

Answer key

L1S1

Find the AP

- 1) Determine the arithmetic sequence whose fourth term is $\frac{17}{12}$ and eighteenth term is $\frac{59}{12}$.

$$\frac{2}{3}, \frac{11}{12}, \frac{7}{6}, \frac{17}{12}, \frac{5}{3}, \dots$$

- 2) The 17th term of the sequence is -139 and the 26th term is -193 . Find the arithmetic progression.

$$-43, -49, -55, -61, -67, \dots$$

- 3) Find the arithmetic progression whose sixth term is -9.2 and sixteenth term is -47.2 .

$$9.8, 6, 2.2, -1.6, -5.4, \dots$$

- 4) If the eleventh term of a sequence is $-31\sqrt{3}$ and the nineteenth term is $-55\sqrt{3}$, find the arithmetic sequence.

$$-\sqrt{3}, -4\sqrt{3}, -7\sqrt{3}, -10\sqrt{3}, -13\sqrt{3}, \dots$$

- 5) The 8th and 21st terms of an arithmetic progression are 56 and 121 respectively, find the arithmetic progression.

$$21, 26, 31, 36, 41, \dots$$

Name : _____

L1S2

Find the AP

- 1) The 5th and 15th terms of an arithmetic progression are -123 and -193 respectively, find the arithmetic progression.

- 2) Find the arithmetic progression whose fourteenth term is 43.4 and twenty-fifth term is 77.5 .

- 3) The 9th term of sequence.

- 4) Determine the term is 130 .

- 5) If the fifteenth term of a sequence is $\frac{61}{6}$ and the twenty-third term is $\frac{31}{2}$, find the arithmetic sequence.

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find the arithmetic

and twenty-fourth

Find the AP

- 1) The 5th and 15th terms of an arithmetic progression are -123 and -193 respectively, find the arithmetic progression.

$-95, -102, -109, -116, -123, \dots$

- 2) Find the arithmetic progression whose fourteenth term is 43.4 and twenty-fifth term is 77.5 .

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- 3) The 9th term of sequence.

find the arithmetic

- 4) Determine the term is 130 .

and twenty-fourth

$38, 42, 46, 50, 54, \dots$

- 5) If the fifteenth term of a sequence is $\frac{61}{6}$ and the twenty-third term is $\frac{31}{2}$, find the arithmetic sequence.

$\frac{5}{6}, \frac{3}{2}, \frac{13}{6}, \frac{17}{6}, \frac{7}{2}, \dots$

Name : _____

Find the AP

L1S3

- 1) Find the arithmetic progression whose seventh term is -17 and twenty-fourth term is 170 .

- 2) The 3rd and 14th terms of an arithmetic progression are $-\frac{17}{5}$ and $-\frac{309}{10}$ respectively, find the arithmetic progression.

- 3) If the twenty-seventh term of an arithmetic progression is 82 , find the arithmetic progression.

- 4) The 12th term of an arithmetic progression is 12.1 . Find the arithmetic progression.

- 5) Determine the arithmetic sequence whose fourth term is $5\sqrt{7}$ and twentieth term is $21\sqrt{7}$.

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Find the AP

- 1) Find the arithmetic progression whose seventh term is -17 and twenty-fourth term is 170 .

$-83, -72, -61, -50, -39, \dots$

- 2) The 3rd and 14th terms of an arithmetic progression are $-\frac{17}{5}$ and $-\frac{309}{10}$ respectively, find the arithmetic progression.

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- 3) If the twenty-seventh term of an arithmetic progression is 82 , find the arithmetic progression.

- 4) The 12th term of an arithmetic progression is 12.1 . Find the arithmetic progression.

$-1.7, -6.3, -10.9, -15.5, -20.1, \dots$

- 5) Determine the arithmetic sequence whose fourth term is $5\sqrt{7}$ and twentieth term is $21\sqrt{7}$.

$2\sqrt{7}, 3\sqrt{7}, 4\sqrt{7}, 5\sqrt{7}, 6\sqrt{7}, \dots$

Name : _____

Find the AP

L1S4

- 1) If the twelfth term of a sequence is -47 and the nineteenth term is 9 , determine the arithmetic progression.

- 2) Determine the arithmetic sequence whose eighth term is 51 and seventeenth term is 114 .

- 3) The 7th and 23rd terms of an arithmetic sequence are 15 and -152 respectively, find the arithmetic progression.

- 4) Find the arithmetic progression whose 10th term is $\frac{161}{8}$ and 20th term is $\frac{1}{4}$.

- 5) The 3rd term of the sequence is 11.5 and the 32nd term is 107.2 . Find the arithmetic sequence.

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Find the AP

- 1) If the twelfth term of a sequence is -47 and the nineteenth term is 9 , determine the arithmetic progression.

$-135, -127, -119, -111, -103, \dots$

- 2) Determine the arithmetic sequence whose eighth term is 51 and seventeenth term is 114 .

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- 3) The 7th and 23rd terms of an arithmetic sequence are 152 and -152 respectively, find the arithmetic progression.

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- 4) Find the arithmetic progression whose 10th term is $\frac{161}{8}$ and 20th term is $\frac{1}{8}$.

$8, 2, 8, 4, 8, \dots$

- 5) The 3rd term of the sequence is 11.5 and the 32nd term is 107.2 . Find the arithmetic sequence.

$4.9, 8.2, 11.5, 14.8, 18.1, \dots$

Name : _____

Find the AP

L1S5

- 1) The 6th term of the sequence is 21.3 and the 14th term is 64.5. Find the arithmetic progression.

- 2) If the tenth term of a sequence is $-3\sqrt{5}$ and the eighteenth term is $-27\sqrt{5}$, find the arithmetic sequence.

- 3) Determine the _____ and 28th term is $\frac{93}{16}$.

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- 4) The 13th and 26th _____ and 249 respectively, find the arithm_____

- 5) Find the arithmetic progression whose ninth term is -67 and twenty-first term is -115 .

Find the AP

- 1) The 6th term of the sequence is 21.3 and the 14th term is 64.5. Find the arithmetic progression.

-5.7, -0.3, 5.1, 10.5, 15.9, ...

- 2) If the tenth term of a sequence is $-3\sqrt{5}$ and the eighteenth term is $-27\sqrt{5}$, find the arithmetic sequence.

$24\sqrt{5}$

- 3) Determine the _____ and 28th term is $\frac{93}{16}$.

- 4) The 13th and 26th terms of an arithmetic progression are 27 and 249 respectively, find the arithmetic progression.

-1, 9, 19, 29, 39, ...

- 5) Find the arithmetic progression whose ninth term is -67 and twenty-first term is -115.

-35, -39, -43, -47, -51, ...

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