

#Jenny



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Cool! I'am really happy

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My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

Mathematics
(www.davacademy.com)
(Chapter - 5) (Arithmetic Progressions)
(Class - X)
Exercise 5.2

Question 1:
Fill in the blanks in the following table, given that a is the first term, d the common difference and a_n the n^{th} term of the A.P.

	a	d	n	a_n
I	7	3	8	.....
II	-18	.....	10	0
III	.....	-3	18	-5
IV	-18.9	2.5	.....	3.6
V	3.5	0	105	.....

Answer 1:
I. $a = 7, d = 3, n = 8, a_n = ?$
We know that,
For an A.P. $a_n = a + (n - 1)d$
 $= 7 + (8 - 1)3$
 $= 7 + (7)3$
 $= 7 + 21 = 28$
Hence, $a_n = 28$
II. Given that $a = -18, n = 10, a_n = 0, d = ?$
We know that,
 $a_n = a + (n - 1)d$
 $0 = -18 + (10 - 1)d$
 $18 = 9d$

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