

Name : \_\_\_\_\_

## Evaluate the Arithmetic Series

T3S1

Evaluate each arithmetic series based on the first term( $a_1$ ), the last term( $a_n$ ) and the number of terms( $n$ ) given.

1)  $a_1 = 74, a_n = 386, n = 13$

2)  $a_1 = -2\sqrt{3}, a_n = 351\sqrt{3}, n = 26$

3)  $a_1 = 5.8, a_n = 9$

$a_n = 157, n = 9$

5)  $a_1 = \frac{7}{3}, a_n = \frac{7}{3}$

$a_n = 89.2, n = 15$

**PREVIEW**

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

7)  $a_1 = -46, a_n = -683, n = 8$

8)  $a_1 = 15, a_n = 420, n = 10$

**Evaluate the Arithmetic Series**

Evaluate each arithmetic series based on the first term( $a_1$ ), the last term( $a_n$ ) and the number of terms( $n$ ) given.

1)  $a_1 = 74, a_n = 386, n = 13$

2)  $a_1 = -2\sqrt{3}, a_n = 351\sqrt{3}, n = 26$

**2990** **$4537\sqrt{3}$** 

3)  $a_1 = 5.8, a_n = 9$

$a_n = 157, n = 9$

**9529.8**

5)  $a_1 = \frac{7}{3}, a_n = \frac{7}{3}$

$a_n = 89.2, n = 15$

**3550**

7)  $a_1 = -46, a_n = -683, n = 8$

8)  $a_1 = 15, a_n = 420, n = 10$

**-2916****2175**

# PREVIEW

Gain complete access to the largest  
collection of worksheets in all subjects!

Members, please  
log in to  
download this  
worksheet.

Not a member?  
Please sign up to  
gain complete  
access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)