

NAME

QUARTER 1

GRADE & SECTION

DATE

Activity: Arithmetic Series

Complete the information to find the sum of the given arithmetic sequence.

- 1) Find the sum of the first 14 terms of the arithmetic sequence
 $15 + 21 + 27 + 33 + \dots$

Based on the given, which formula is more appropriate to use?

$$S_n = \frac{n}{2}(a_1 + a_n)$$

$$S_n = \frac{n}{2}(2a_1 + (n - 1)d)$$

$$a_1 = \text{ } \quad n = \text{ } \quad d = \text{ }$$

Final Answer: The sum is

- 2) Find the sum of the arithmetic sequence that starts with -9 and ends with 20th term of -47 .

Based on the given, which formula is more appropriate to use?

$$S_n = \frac{n}{2}(a_1 + a_n)$$

$$S_n = \frac{n}{2}(2a_1 + (n - 1)d)$$

$$a_1 = \text{ } \quad a_n = \text{ } \quad n = \text{ }$$

Final Answer: The sum is

- 3) What is the sum of integers from 11 to 40?

Based on the given, which formula is more appropriate to use?

$$S_n = \frac{n}{2}(a_1 + a_n)$$

$$S_n = \frac{n}{2}(2a_1 + (n - 1)d)$$

$$a_1 = \text{ } \quad a_n = \text{ } \quad n = \text{ }$$

Final Answer: The sum is

This is your ____ attempt.
How well did you do?



Need help!



Just OK!



Splendid

I LEARNED THAT...