Lesson 1.2: Arithmetic Series

Complete the *Practice* below. When you have completed all the questions for *Lesson 1.2 Practice – III* with your best work, mark your work by first comparing your answers to the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.

Practice – III

1.   Determine the sum of each arithmetic series.
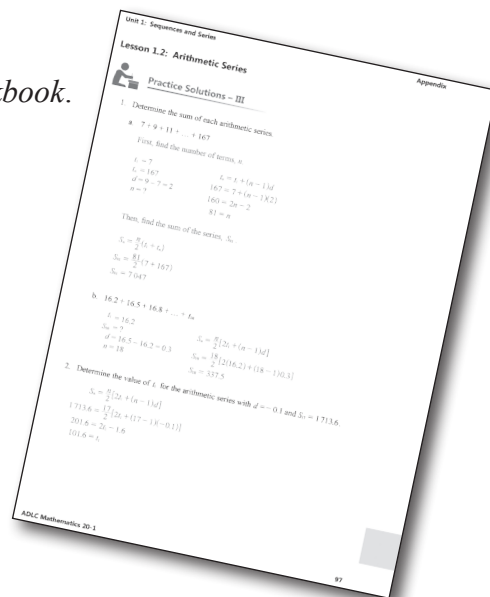
   a. $7 + 9 + 11 + \ldots + 167$

   b. $16.2 + 16.5 + 16.8 + \ldots + t_{18}$

2. Determine the value of t_1 for the arithmetic series with $d = -0.1$ and $S_{17} = 1\ 713.6$.

3. The sum of the first eight terms of an arithmetic series is 216 and the sum of the first nine terms is 270.

    a. What is the value of t_9?

    b. Determine the first term, t_1, of the arithmetic series.

Mark your work for *Lesson 1.2 Practice – III* using the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.

Transfer your self-assessed mark to the front cover of the *Workbook*.

My self-assessed mark on *Lesson 1.2 Practice – III* is _____.

Reflect on your understanding of the concepts addressed in the *Practice* exercises in the table provided.

Question Number	Got it!	Almost there…	Need to retry or ask for help.	Similar questions from *Pre-Calculus 11*
1				p. 27 #1ad, 3bd, 7a, 21
2				p. 27 #2bd, 4bc
3				p. 27 #5b

Please return to *Lesson 1.2* to continue your work in *Unit 1: Sequences and Series*.