

Practice Assessment

Practice provides practice and allows you to self-reflect on your conceptual understanding of the *Lesson* skills. You will mark your work for *Practice* in each *Workbook* according to the following rubric.

Category	Strategy and Procedures	Response to Questions
	<i>I have...</i>	<i>I have...</i>
4	used efficient and effective strategies to solve the problem(s)	provided detailed explanations and followed directions appropriately to complete all questions
3	used effective strategies to solve the problem(s)	provided clear explanations and followed directions adequately to complete most questions
2	used effective strategies inconsistently to solve the problem(s)	provided incomplete explanations and followed some directions to complete a few questions
1	used ineffective strategies to solve the problem(s)	provided incomplete explanations and have not followed directions to complete some questions

Complete *Practice* exercises using your best work, showing all relevant steps needed to arrive at your solution. Refer to the *Module* to review lesson instructions. Contact your teacher for assistance or clarification as needed, or to investigate the topic further.

Check and correct your work using the solutions provided in *Appendix* in the *Module*.

Practice is worth 8 marks; your mark can help you gauge your understanding of *Lesson* material.

After you have assessed your work, reflect on your understanding of the concepts addressed in the *Practice* exercises in the table provided.

Lesson 1.1: Arithmetic Sequences

Complete the *Practice* below. When you have completed all the questions for *Lesson 1.1 Practice – I* 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 – I

1. Identify the arithmetic sequence(s) below. For the arithmetic sequence(s), indicate the value of t_1 , d , and the simplified general term, t_n . For any sequence that is not arithmetic, explain why not.

a. $a, a + w, a + 2w, a + 3w, \dots$

b. $78, 75, 71, 66, 61, \dots$

2. Given $t_1 = 652$ and $d = -3$, list the first four terms in the arithmetic sequence.

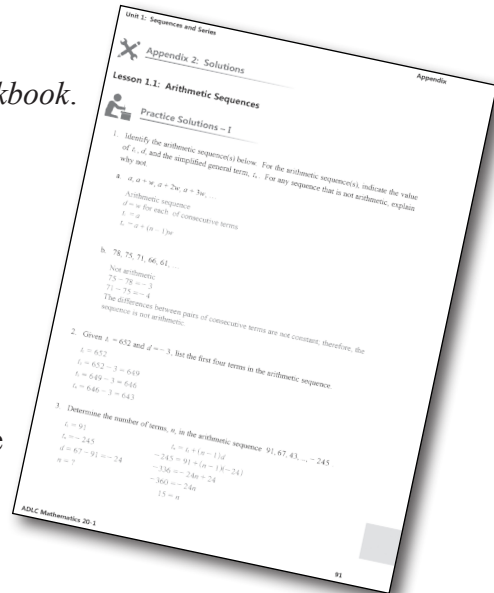
- Determine the number of terms, n , in the arithmetic sequence 91, 67, 43, ..., -245 .
- Does an arithmetic sequence with $t_1 = 24$ and $d = 13$ contain the term 57?
- The first three terms of an arithmetic sequence are $5y + 3$, $7y - 6$, and $6y$. Determine the numerical values of the first three terms in the sequence, and then determine the value of d .

Mark your work for *Lesson 1.1 Practice – I* 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 1.1 Practice – I* 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 <i>Pre-Calculus 11</i>
1				p. 16 #1
2				p. 16 #2ac
3				p. 16 #5bd
4				p. 17 #8
5				p. 17 #10, 11

Please return to *Lesson 1.1* to continue your work in *Unit 1: Sequences and Series*.