

## 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	<ul style="list-style-type: none"> <li>used efficient and effective strategies to solve the problem(s)</li> </ul>	<ul style="list-style-type: none"> <li>provided detailed explanations and followed directions appropriately to complete all questions</li> </ul>
3	<ul style="list-style-type: none"> <li>used effective strategies to solve the problem(s)</li> </ul>	<ul style="list-style-type: none"> <li>provided clear explanations and followed directions adequately to complete most questions</li> </ul>
2	<ul style="list-style-type: none"> <li>used effective strategies inconsistently to solve the problem(s)</li> </ul>	<ul style="list-style-type: none"> <li>provided incomplete explanations and followed some directions to complete a few questions</li> </ul>
1	<ul style="list-style-type: none"> <li>used ineffective strategies to solve the problem(s)</li> </ul>	<ul style="list-style-type: none"> <li>provided incomplete explanations and have not followed directions to complete some questions</li> </ul>

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.

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

Lesson 5.1: Polynomial Multiplication

Complete the *Practice* below. When you have completed all the questions for *Lesson 5.1 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. Show the multiplication of  $(2x - 3)(x + 2)$  using algebra tiles and symbolically. Show how the steps of the two methods correspond.

Algebra Tiles	Symbolically

2. Expand and simplify, if possible.

a.  $(1 - x)(2 - y)$

b.  $(n - r)(p + q)$

c.  $(3 - x)^2$

d.  $(-z^2 - 3z + 2)(1 - z)$

3. Alex was asked to multiply two binomials:  $(6d + 2)(7d - 5)$

His work is shown below.

$$\begin{aligned}(6d + 2)(7d - 5) &= (6d)(7d) + (2)(-5) \\ &= 42d^2 - 10\end{aligned}$$

- a. Alex's work is not correct. What error did he make?

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- b. Write a friendly recommendation to Alex explaining a strategy he could use to improve his solution. In your explanation, suggest how he could numerically verify the product.

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4. After a book is bound, the three free edges are cut to give the book a clean finish. Suppose a book's pages have uncut dimensions of  $l$  and  $w$ , measured in centimetres. Write a binomial multiplication and its product to represent the finished area of a page if 0.75 cm is cut from each free edge.



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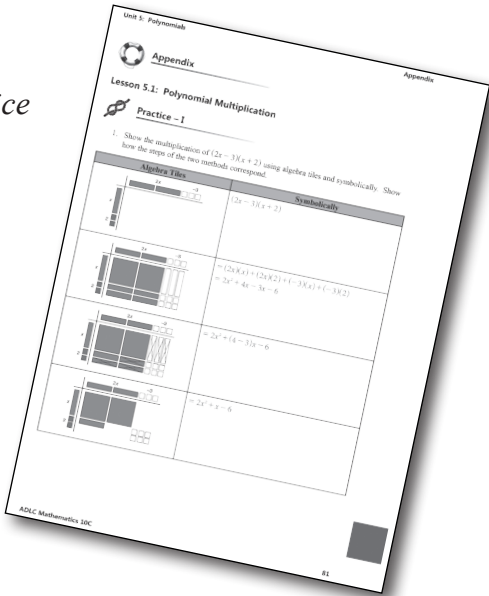
Mark your work for *Lesson 5.1 Practice – I* using the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.

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

My self-assessed mark on *Lesson 5.1 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.
1			
2			
3			
4			



You may proceed to *Explore Your Understanding Assignment* on the next page of this *Workbook*.

**Note:** Before you complete *Explore Your Understanding*, you may review your skills and get more practice by completing the following problems in *Mathematics 10*.

- Page 209, #1a, 1b, 2, 3a, 3b, 3f, 4a, 4f, 6a, 6b, 11, 12, and 14

Check your work in *Enhance Your Understanding*.

