

**ALBERTA DISTANCE LEARNING CENTRE**  
**Mathematics 10C**  
**MAT1791**  
**Workbook 1.4**

**Student's Questions  
and Comments**

**FOR STUDENT USE ONLY**

**Student Name:**

\_\_\_\_\_

**FOR ADLC USE ONLY**

**Assigned to**

\_\_\_\_\_

**Marked by**

\_\_\_\_\_

**Date received**

\_\_\_\_\_

**Summary**

	Marks Earned	Total Possible Marks	Percent
1.4 Practice – IV	<b>I have ____ /8 and ____ %.</b>		
1.4 Practice – V	<b>I have ____ /8 and ____ %.</b>		
Lesson 1.4 Assignment		11	

**Teacher's Comments:**

\_\_\_\_\_  
**Teacher's Signature**

## CANADIAN CATALOGUING IN PUBLICATION DATA

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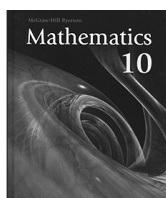
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# ADLC

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## Practice Assessment

The *Practice* section provides exercise questions and allows you to self-reflect on your conceptual understanding of the *Lesson* skills. You will mark your *Practice* work 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 in the table provided at the end of each *Practice* section.

## Lesson 1.4: The Imperial System

Complete the *Practice* below. When you have completed all the questions for *Lesson 1.4 Practice – IV* 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 – IV

1. State an imperial unit that is appropriate for each of the following measurements.

a. the length of a city block

---

b. the width of your pencil

---

c. the weight of a loaded semi-trailer

---

d. the amount of gasoline used to fill a vehicle's gas tank

---

2. Determine a conversion ratio that could be used to convert miles to inches.

3. Complete the following conversions.

a. 5000 lbs to tons

b. \_\_\_\_\_ in = 6 ft

4. Ellen has 13 gallons of water, Shania has 50 quarts of water, and Sophie has 105 pints of water. Which of the girls has the most water?

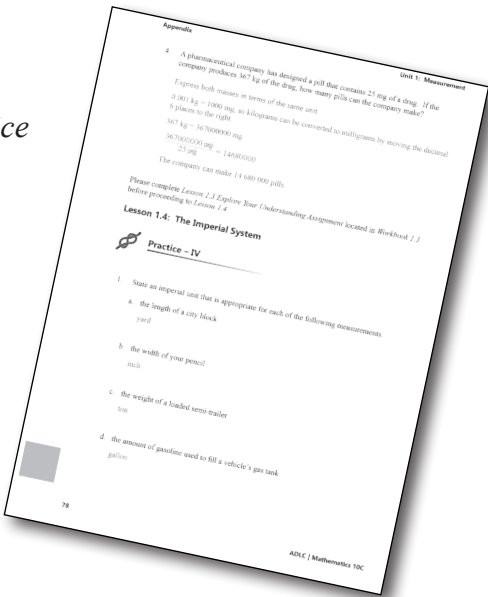
Mark your work for *Lesson 1.4 Practice – IV* using the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.

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

My self-assessed mark on *Lesson 1.4 Practice – IV* 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			



Please return to *Lesson 1.4* to continue your work in *Unit 1: Measurement*.



Mark your work for *Lesson 1.4 Practice – V* 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 1.4 Practice – V* is \_\_\_\_\_.

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

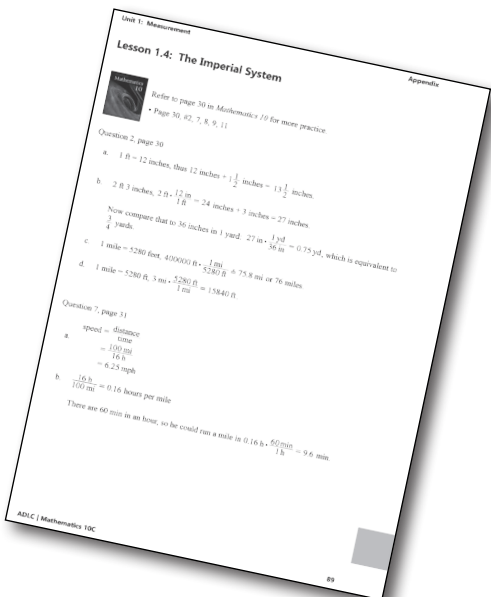
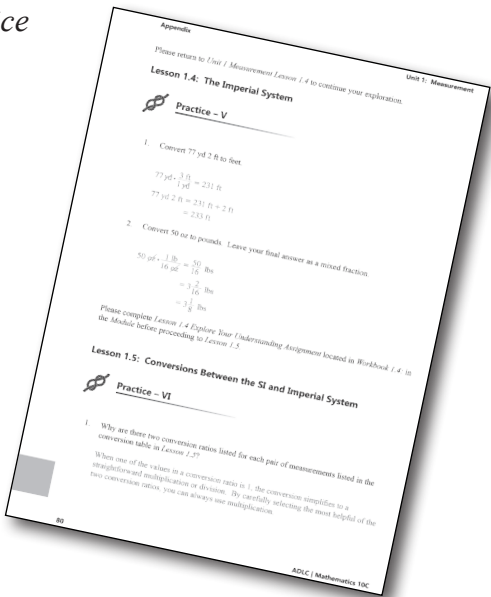
Question Number	Got it!	Almost there...	Need to retry or ask for help.
1			
2			

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 30, #2, 7, 8, 9, 11

Check your work in *Enhance Your Understanding*.



## Lesson 1.4: The Imperial System



### Explore Your Understanding Assignment

- ② 1. The following shows how units will be eliminated while performing a unit conversion.

$$\text{---} \cdot \frac{\text{yd}}{\text{mi}} \cdot \frac{\text{ft}}{\text{yd}} = \text{---}$$

Fill in the blanks with the appropriate units. Explain.

- ② 2. Many sheet materials used in construction, such as plywood or drywall, measure 8 feet by 4 feet. What are these dimensions in inches?

- ② 3. A common height at which commercial airplanes fly is 30 000 feet above sea level. This correspond to how many miles?
- ③ 4. A jam recipe requires 3 quarts of raspberries. Raspberries are available in 1.5 pint containers at the grocery store. How many containers are required for the recipe?
- ② 5. Write 10 000 seconds in hours, minutes, and seconds. Please state answer in the following form:  
10 000 s = \_\_\_\_\_ h + \_\_\_\_\_ min + \_\_\_\_\_ s.