

ALBERTA DISTANCE LEARNING CENTRE
Mathematics 10C
MAT1791
Workbook 1.3

**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
1.3 Practice – III	I have ____ /8 and ____ %.		
Lesson 1.3 Assignment		11	

Teacher's Comments:

Teacher's Signature

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Mathematics 10
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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"> used efficient and effective strategies to solve the problem(s) 	<ul style="list-style-type: none"> provided detailed explanations and followed directions appropriately to complete all questions
3	<ul style="list-style-type: none"> used effective strategies to solve the problem(s) 	<ul style="list-style-type: none"> provided clear explanations and followed directions adequately to complete most questions
2	<ul style="list-style-type: none"> used effective strategies inconsistently to solve the problem(s) 	<ul style="list-style-type: none"> provided incomplete explanations and followed some directions to complete a few questions
1	<ul style="list-style-type: none"> used ineffective strategies to solve the problem(s) 	<ul style="list-style-type: none"> 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.

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 1.3: The SI System

Complete the *Practice* below. When you have completed all the questions for *Lesson 3.1 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. Explain the advantages of having a common system of measurement throughout the world.

2. All of the unit conversion strategies shown in this *Lesson* used conversion ratios. Describe how you can tell if you have chosen an appropriate format of a conversion ratio for a conversion.

3. Complete each of the following unit conversions using different strategies.

- a. How many centigrams are equal to 9.95 milligrams?

b. $921 \text{ dam} = \underline{\hspace{2cm}} \text{ dm}$

c. Convert 66.5 kilowatts to hectowatts. (The symbol for watt is “W”.)

4. A pharmaceutical company has designed a pill that contains 25 mg of a drug. If the company produces 367 kg of the drug, how many pills can the company make?

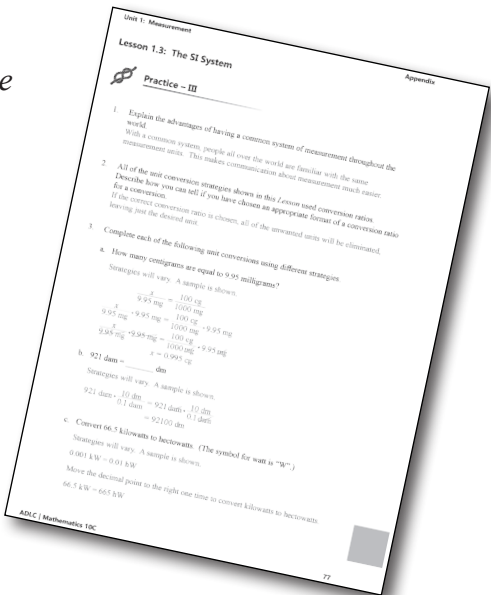
Mark your work for *Lesson 1.3 Practice – III* using the solutions provided in the *Appendix*. Then, apply the rubric found at the beginning of the *Workbook*.

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

My self-assessed mark on *Lesson 1.3 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.
1			
2			
3			
4			

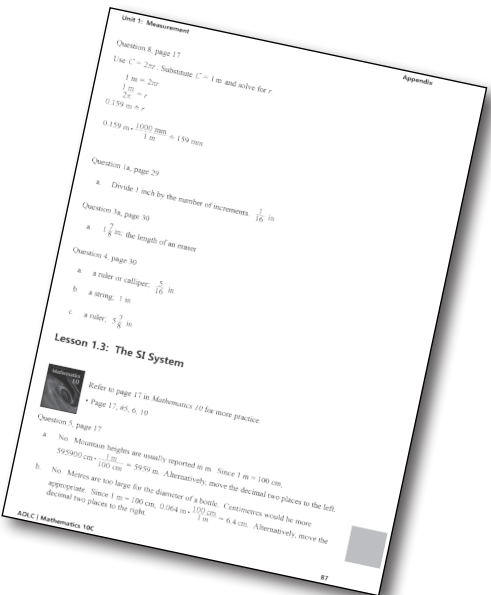


You may proceed to *Explore Your Understanding Assignment* on the next page of this *Workbook*.

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 17, #5, 6, 10

Check your work in *Enhance Your Understanding*.



Lesson 1.3: The SI System



Explore Your Understanding Assignment

- ② 1. Noah was comparing SI units of length. He found that one unit was 100 times the size of the other. List two pairs of units that Noah may be comparing.

- ② 2. It would take light approximately 134 milliseconds to travel around the Earth's equator. How many seconds is this?

- ③ 3. If Adela has 12.4 L of diesel and Madison has 840 cL of diesel, how much does the pair have altogether?

- ④ 4. Some diet experts recommend drinking 2 litres of water each day. How many 240 mL glasses of water should a person drink each day to follow this recommendation?