ALBERTA DISTANCE LEARNING CENTRE
Mathematics 10-3
MAT1793
Unit C: Measurement
Chapter 5 Lesson 2

Student's Questions and Comments

FOR STUDENT USE ONLY

Student Name:

_____

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Assigned to

_____

Marked by

_____

Date received

_____

Summary

	Marks Earned	Total Possible Marks	Percent
Lesson 2		26	

Teacher's Comments:

_____

Teacher's Signature

Alberta Distance Learning Centre website:

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 Lesson Assignment

This assignment includes fill in the blank and short answer questions. Be sure to show all necessary work. You may ask for clarification from your teacher, but you will not be given the answer.

Lesson 2

①   1.   In what year was the metric system reworked and launched as the International System of Units?

⑴.⑸   2.   Complete the following table using SI units.

	Base Unit
length	
capacity/volume	
mass	

⑵.⑸   3.   What are the conversion factors for units with the following prefixes?

Prefix	Conversion Factor
kilo	
deca	
deci	
milli	
hecto	

④

4.   Write a conversion ratio for centimetres and kilometres as
     a.   an equality

①

     b.   a fraction equal to 1

③

5.   Fill in the blanks.
     Convert 32 km to decimetres.

$$\frac{y}{\text{km}} = \frac{\text{dm}}{\text{km}}$$

$$\frac{y}{\quad \text{km}} \times \quad \text{km} = \frac{\text{dm}}{\quad \text{km}} \times \quad \text{km}$$

$$y = \quad \text{dm}$$

6.   Use the **proportion strategy** to complete the following conversions.

     a.   786 dg = _____ hg

③

③

    b. 38 kL = _____ daL

7. Convert the following, using the **decimal point strategy**.

②

    a. 0.95 km to metres

    Move the decimal point _____ places to the _____.

    0.95 km = _____m

②

    b. 72.3 mg to hectograms

    Move the decimal point _____ places to the _____.

    72.3 mg = _____ hg

8. Complete each of the following unit conversions.

②

    a. How many centigrams are equal to 9.95 mg?
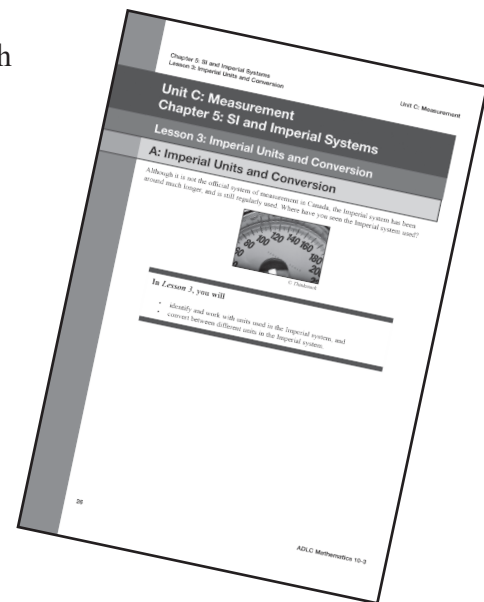
②   b.   921 dam = _____ dm

②   c.   Convert 66.5 kL to decalitres.

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You have completed *Lesson 2 Assignment*.
Please return to the *Module* and continue your exploration with *Lesson 3*.

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