

# ALBERTA DISTANCE LEARNING CENTRE

## Mathematics 10-3

MAT1793

### Unit C: Measurement

### Chapter 5 Lesson 3

#### Student's Questions and Comments

#### FOR STUDENT USE ONLY

Student Name:

\_\_\_\_\_

#### FOR ADLC USE ONLY

Assigned to

\_\_\_\_\_

Marked by

\_\_\_\_\_

Date received

\_\_\_\_\_

#### Summary

|          | Marks<br>Earned | Total<br>Possible<br>Marks | Percent |
|----------|-----------------|----------------------------|---------|
| Lesson 3 |                 | 29                         |         |

Teacher's Comments:

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

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## Lesson Assignment

This assignment includes 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 3

- ② 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 a pencil
  - c. the mass of a handful of grapes
  - d. The amount of gasoline used to fill a vehicle's gas tank
2. Write a conversion ratio for inches and yards as
- ① a. an equality
- ① b. a fraction equal to 1
- ② 3. How many inches are in a mile?

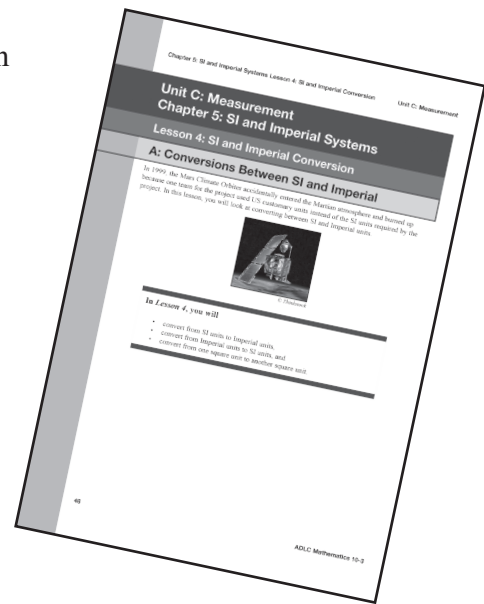
- ③ 4. Ellen has 13 gal of water, Shania has 50 qt of water, and Sophie has 105 pt of water. Which of the girls has the most water?  
**Hint:** Convert all measurements to quarts.
5. Use the proportion strategy to complete the following conversions.
- ② a. 5 000 lbs to tons
- ② b. \_\_\_\_\_ in = 6 ft
- ④ 6. Commercial airplanes often fly around 30 000 ft above sea level. How many miles above sea level is 30 000 ft, to the nearest tenth of a mile?

- ③ 7. Ciana ran 5000 yd and her friend Pamela ran 3 mi. Who ran farther?
8. A jam recipe requires 3 qt of raspberries.
- ② a. How many pints of raspberries are needed?
- ① b. Raspberries are available in 1.5 pt containers at the grocery store. How many containers are required for the recipe?
- ③ 9. Convert 77 in to feet and inches.

- ③ 10. Logan needs to buy tarp straps for this trailer. He needs  $32'4\frac{7}{8}"$  for the length and  $9'3\frac{1}{4}"$  for the width. What is the total length of tarp straps required?

You have completed *Lesson 3 Assignment*.

Please return to the *Module* and continue your exploration with *Lesson 4*.



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