

# ALBERTA DISTANCE LEARNING CENTRE

## Mathematics 10-3

MAT1793

### Unit D: Geometry Chapter 7 Lesson 1

#### 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
Lesson 1		28	

Teacher's Comments:

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

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Workbook 7

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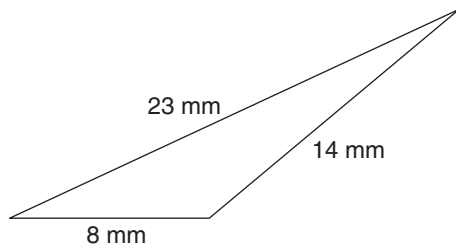
## Lesson Assignment

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.

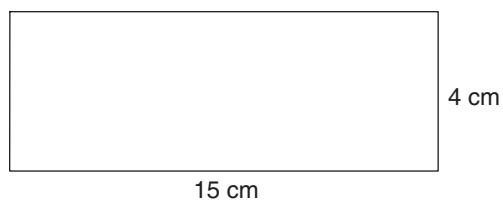
### Lesson 1

Include a **formula** as part of your work where applicable.

- ② 1. Determine the perimeter of the triangle shown.

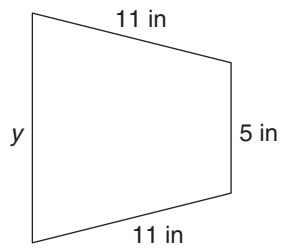


- ② 2. Determine the perimeter of the rectangle shown.

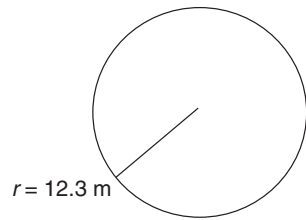


- ② 3. The perimeter of a square is 18.8 ft. Find the length of each side.

- ② 4. Determine the length of the unknown of the trapezoid shown. The perimeter of the trapezoid is 43 in.



- ② 5. Find the circumference of the circle.

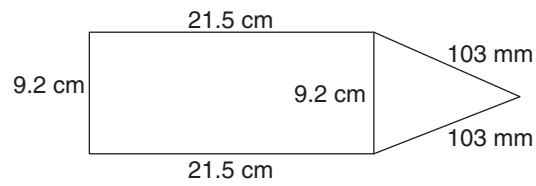


- ③ 6. Determine the radius of a circle with a circumference of 95.5 in.

- ④ 7. A speed skating track has a perimeter of 400 m. Determine the straightaway length of the track.



8. Petra determined the perimeter of the following shape to be 267.4 cm. Mark determined the perimeter to be 72.8 cm.



②

- a. Who is correct? Justify.

②

- b. Explain the incorrect person's errors.

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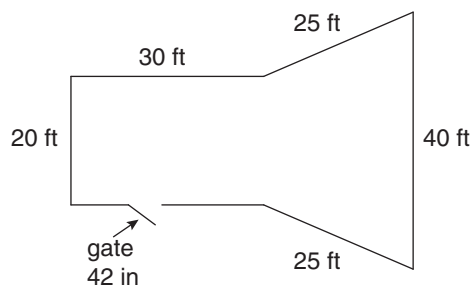
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9. Dave is building a kennel for his dogs. He has drawn the following diagram to help him calculate the cost of building the kennel.



2

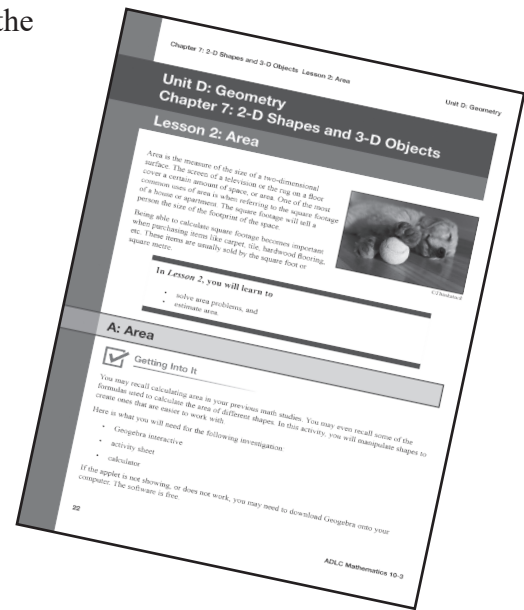
- a. Determine the amount of fencing Dave will need.  
**Hint:** 12 in = 1 ft

2

- b. The chain link fencing can only be purchased in rolls of 50 ft for \$78.99. The gate will cost \$46.26. Determine the cost of the kennel's materials.

- ③ 10. Rylie took a vacation to Disneyland, and purchased many souvenirs. As she was packing for the flight home, she realized that she needed to purchase another suitcase to bring all of her items home. She purchased a suitcase that measured 30 in by 19 in by 12 in. When she arrived at the airline check-in counter, she discovered that there was an extra charge for suitcases with linear measurements of more than 157 cm. Did Rylie have to pay the extra fee for her luggage?  
**Hint:** 1 in = 2.54 cm

You have completed *Lesson 1 Assignment*. Please return to the *Module* and continue your exploration with *Lesson 2*.





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