

Coach's Corner Assessment

Coach's Corner provides practice and allows you to self-reflect on your conceptual understanding of the *Lesson* skills. Assessment of your work in *Coach's Corner* will be combined into two overall completion marks, one for *Workbook A* and one for *Workbook B*. Your work for *Coach's Corner* in each *Workbook* will be assessed according to the rubric provided.

Category	Strategy and Procedures	Response to Questions
	<i>The student...</i>	<i>The student...</i>
4	<ul style="list-style-type: none"> uses efficient and effective strategies to solve the problem(s) 	<ul style="list-style-type: none"> provides detailed explanations and follows directions appropriately to complete all questions
3	<ul style="list-style-type: none"> uses effective strategies to solve the problem(s) 	<ul style="list-style-type: none"> provides clear explanations and follows directions adequately to complete most questions
2	<ul style="list-style-type: none"> uses effective strategies inconsistently to solve the problem(s) 	<ul style="list-style-type: none"> provides incomplete explanations and follows some directions to complete a few questions
1	<ul style="list-style-type: none"> does not use effective strategies to solve the problem(s) 	<ul style="list-style-type: none"> provides incomplete explanations and does not follow directions to complete some questions

Complete *Coach's Corner* 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 *Equipment Room* in the *Module*.

Coach's Corner is worth 8 marks towards your final mark in each *Workbook*.

After you have assessed your work, reflect on your understanding of the concepts addressed in the *Coach's Corner* exercises in the table provided.

Unit 3: Logic and Reasoning Lesson 3.1**Coach's Corner – I**

1. The picture below is a composite photograph made by satellites at night. Make a conjecture based on this photograph.



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2. Make a conjecture about adding even numbers. Show at least 3 examples to support your conjecture.

3. Make a conjecture based on the following data.

Canadian farm operators by gender and age (2001 and 2006 Census of Agriculture)		
Group	2001	2006
Males	255 015	236 220
Under 35	29 430	22 170
35 to 54	132 060	114 695
55 and older	93 530	99 360
Median age	49	52
Females	91 180	90 835
Under 35	10 490	7 755
35 to 54	53 510	49 465
55 and older	27 175	33 615
Median age	48	50
<i>Source: Statistics Canada</i>		

Recall that the median value is the middle number in an ordered set of numbers.

18 is the median in the following set:

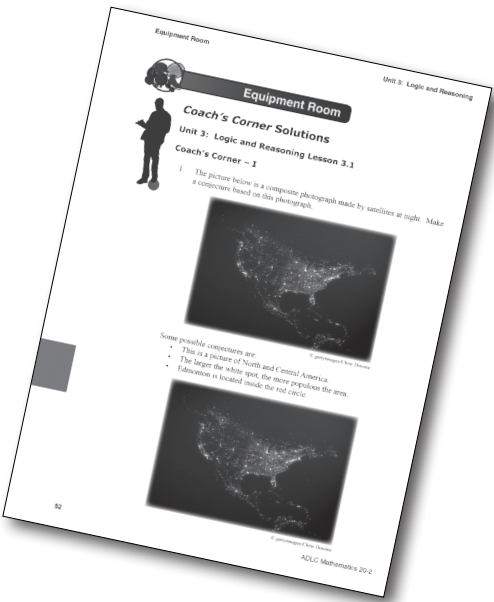
1, 2, 8, **18**, 19, 20, 20



Please go to *Equipment Room* to check your solutions before returning to *Lesson 3.1*.

After you have assessed your work, reflect on your understanding of the concepts addressed in the *Coach's Corner* exercises in the table provided.

Question Number	Got it!	Almost there...	Need to retry or ask for help.
1			
2			
3			



Unit 3: Logic and Reasoning Lesson 3.1**Coach's Corner – II**

1. Provide a counterexample showing that each of the following conjectures is false. Explain.

a. All birds can fly.

b. Two triangles with equal angles are identical.

c. $\sqrt{x^2} = x$

d. In an open book, the right page will always contain an odd page number.

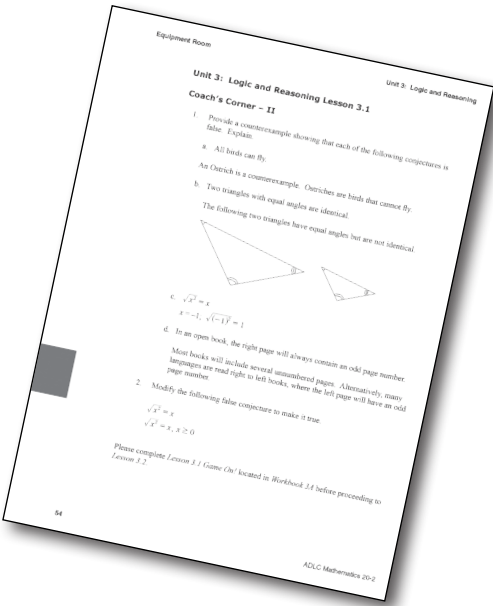
2. Modify the following false conjecture to make it true.

$$\sqrt{x^2} = x$$

Please go to *Equipment Room* to check your solutions before proceeding to *Game On!*, on the next page of this *Workbook*.

After you have assessed your work, reflect on your understanding of the concepts addressed in the *Coach's Corner* exercises in the table provided.

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



Note: Before you complete *Game On!*, you may review your skills and get more practice by completing the following problems in *Principles of Mathematics 11*.

- Page 12, #5, 7, 8, 10, 12, 14, and 22
- Page 22, #1, 3, 4, 6, 10, 16, and 19

Check your work in *Strengthening and Conditioning*.

