

Section 11.3 Math Link

This worksheet will help you with the Math Link on page 439.

For your research project, collect data from studies and surveys that have been done. Use sources such as scientific publications and the Internet. Depending on the data that you find, you may need to revise your research question.

1. a) Describe the data you will look for.

b) Where will you look?

Hint: If you search the Internet, it is important to refine your search terms in order to get exactly what you are looking for. For example, if you search the term *burrowing owl*, you will get lots of general information. If you limit the search to *burrowing owl research western Canada*, you will find more specific information.

2. Record notes for at least three studies related to your question. Include the following information for each study.

- Describe the sampling method used. Did it involve the population or a sample?
- For a study involving a sample, discuss whether the results can be generalized to the population.
- Describe the method used to collect the data.
- Summarize the results.
- Describe any assumptions that were made. Explain the limitations of each assumption.
- Discuss the accuracy of any predictions made about the population.
- Provide complete source information. An example for citing an electronic source is shown here.

Smith, T. G. "COSEWIC Assessment and Update Status Report on the Beluga Whale *Delphinapterus leucas* in Canada." 2004. Committee on the Status of Endangered Wildlife in Canada. Ottawa. 20 Oct 2008
<<http://dsp-psd.pwgsc.gc.ca/Collection/CW69-14-170-2004E.pdf>>.

Name: _____ Date: _____

A start has been made for you.

Study Title:	
• Sampling method	
• Generalizing results	
• Data collection method	
• Summary of results	
• Assumptions	
• Accuracy of predictions	
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BLM 11-11
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