

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Chapter 2 Math Link Introduction

This worksheet will help you with the Math Link introduction on page 45.

Imagine you are able to volunteer at a multicultural festival.

**1. a)** Which pavilion would you select? \_\_\_\_\_

**b)** Why did you select this pavilion?

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**2.** There were 510 000 visitors to the 43 pavilions in a recent multicultural festival.

**a)** How could you estimate the number of visitors you would expect to visit your pavilion?

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**b)** What is your estimate? \_\_\_\_\_

**c)** What assumptions did you make to help you make your estimate?

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**3.** The ingredients for a dish at your pavilion cost \$12.00.

**a)** If the dish serves 30 people, how could you calculate the cost per person?

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**b)** Calculate the cost per person. Show your work.

**c)** What is the cost to serve the estimated number of visitors to your pavilion? Use your answers to #2b) and #3b) to help you. Show your work.

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**BLM 2-1**  
(continued)

**d)** Explain how you arrived at your answer.

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**4. a)** Name two ethnic dishes that might be served at your pavilion.

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**b)** Choose one dish. \_\_\_\_\_  
Estimate the cost of making this dish for 10 visitors.

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**c)** How did you make your estimate?

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**5. a)** Not everyone who visits a pavilion eats there. Estimate the number of visitors who eat at your pavilion.

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**b)** Use your estimate from #2b) to help estimate the ratio of visitors who eat to the total number of visitors to your pavilion.

\_\_\_\_\_ : \_\_\_\_\_

**c)** Write the ratio in part b) in three other ways:

• fraction  $\frac{\square}{\square}$

• decimal \_\_\_\_\_

• percent \_\_\_\_\_