

## Section 2.2 Math Link

This worksheet will help you with the Math Link on page 62.

Kheer is a traditional rice pudding made in India and Pakistan. Pakistani kheer tends to be thicker than the Indian version. Look at the recipe for kheer.

### Kheer

#### Ingredients:

- 125 mL rice (basmati)
- 1 L milk
- 50 mL raisins
- 250 mL sugar
- 5 mL cardamom (or nutmeg)
- 50 mL almonds (slivered)

#### Method

1. Wash rice well.
2. Boil milk and add rice. Simmer on low heat until rice is soft, stirring frequently to prevent sticking.
3. When the rice is cooked and the mixture gets a semi-thick creamy consistency add sugar and stir well.
4. Remove from heat and add cardamom, slivered almonds, and raisins.
5. Serve warm or chilled.

1. The recipe for kheer serves four people. Use the table on the following page and calculate the quantity of each ingredient that you need to serve 10 people. Use ratios *or* rates to support your reasoning.

The quantity of rice is done for you using ratios and rates.

#### Ratios

**Step 1** Use ratios.

$$\frac{125}{4} = \frac{\square}{10}$$

**Step 2** Make an equivalent fraction.

$$\frac{125}{4} \xrightarrow{\times 2.5} \frac{312.5}{10}$$

The amount of rice needed to serve 10 is 312.5 mL.

#### Rates

**Step 1** Find the unit rate.

$$\frac{125}{4} \xrightarrow{\div 4} \frac{31.25}{1}$$

**Step 2** Multiply the unit rate by the number of servings.

$$31.25 \times 10 = 312.5$$

The amount of rice needed to serve 10 is 312.5 mL.

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

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

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(continued)

<b>Ingredients</b>	<b>Step 1</b>	<b>Step 2</b>
1 L milk		
50 mL raisins		
250 mL sugar		
5 mL cardamom		
50 mL almonds		

2. Use your calculations in #1 to fill in the missing quantities in the table below.

<b>Kheer</b>		
<b>Ingredients</b>	<b>Amount to Serve 4</b>	<b>Amount to Serve 10</b>
rice (basmati)	125 mL	312.5 mL
milk	1 L	
raisins	50 mL	
sugar	250 mL	
cardamom (or nutmeg)	5 mL	
almonds (slivered)	50 mL	