



ANALYZE **numbers** AND **patterns**



Think About

Have your dairy consumption patterns changed at all over time? In what ways? Why do you think your patterns have or have not changed? Do you think they will change in the future?

Three horizontal dashed lines on a light brown background for writing.

How are dairy products part of everyday life? Go to www.projectagriculture.ca/elementary to find the carousel slide with this guiding question in the **everyday** CHEMISTRY topic. Use the information in the carousel slide and the **Dairy Patterns Learning Source** to help you complete these learning tasks.



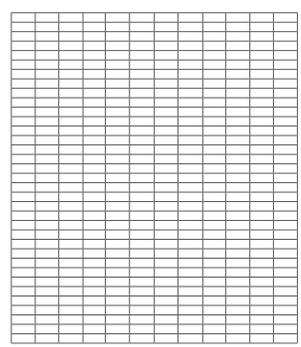
Investigate and Create

What do the numbers below tell you about Canada's dairy production? Create a **bar graph** to find out.

- ◆ 0.35 of Canada's total milk supply is made into milk and cream
- ◆ 0.30 of Canada's total milk supply is made into butter
- ◆ 0.28 of Canada's total milk supply is made into cheese
- ◆ 0.07 of Canada's total milk supply is made into ice cream and concentrated milks

Use the **Grid Graph** graphic organizer to fill in the proportion of each type of dairy product. You can also create a graph on chart paper.

Make a legend that includes the names of the products and the colour you will use for each. Add it to the graph. You can also add illustrations of each product to your legend. Make a title for your graph.



Use these steps:

1. Choose a colour to represent each product.
2. Make a legend. List the dairy products. Choose a colour for each product and show it in a box or line beside each product name.
3. Express each decimal as a fraction out of 100. Then, colour in the correct number of blocks in the graph to represent the fraction for each product until all the squares in the graph are coloured in. For example, 7 blocks should be coloured with the colour you choose for ice cream and concentrated milks.



Investigate and Share

Interview an adult in your life, such as your parents or grandparents, to find out whether their milk consumption patterns have changed over time. What did you find out? Share your findings with your classmates.

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Self-Check

	Yes	Sometimes	Not yet
I share the conclusions I make with others.			
I look for patterns in multiple pieces of information to build my understandings.			
I ask questions and make predictions to identify answers to questions.			
I reflect on what I have learned.			