**Chapter 5: 5.1 The Best Buy**

Most grocery store shelves have stickers that state unit prices of the items on the shelves. Here is an example: 0.445/100 g, which means it costs 44.5 cents per 100 g.

Example:

Paper towels are sold in a 2-roll package for $2.49 and a 12-roll package for $12.99.

1. Which package has a lower unit price?
2. How much would you save by buying a 12-roll package rather than 6 2-roll packages?
3. When deciding which package is better for you what do you need to consider?

Solution:

1. Calculate the unit price for each package size by dividing the cost by the number of rolls.

2-roll package: 2.49/2 = $1.245/roll

12-roll package: 12.99/12 = $1.0825

The unit price for a 2-roll package is $1.245 and the unit price for the 12-roll package is $1.085.

Compare the unit prices: The 12 roll package has the lower price.

1. Calculate the cost of 6 2-roll packages:

6 x 2.49 = $14.94

Subtract the cost of the 12-roll package

14.94 – 12.99 = $1.95

c) You need to think about your own needs! Do you need 12 rolls? Do you have the space to store them? Etc.

Work your way through the Mr Potato chip example so that you know how to do this.

Complete questions 1 – 6 on page 84.