A 1kg block of cheese costs $6.80

a) **Estimate** the cost of buying 5kg of cheese.

$6.80 rounds to $

To estimate multiply $ x =$

Estimate = $

b) **Calculate** the cost of **5kg of cheese**

1kg of cheese costs $

so

5kg = x $

= x ($ + c)

= $ + c

$ + $

= $

c) Calculate the cost of **half a kg of cheese.**

½ means to ÷

so

½ kg = $ ÷

= $ ÷ + c ÷

= $ + c

= $

d) Explain why $20 is a reasonable estimate for the cost of 3kg litres of cheese.

1kg of cheese = $

This rounds to $

3 x $ = $ which is close to $

so

$20 is a good estimate for 3kg of cheese

Every week James buys 20 kg of cheese from the dairy. He repackages the cheese into plastic containers. He buys containers at a cost of 50 cents each. He repackages the cheese he buys to fill ten 1 kg containers and five 2 kg containers. He sells the 1 kg containers for $10 and the 2 kg containers for $9.50.

How much money does he make each week?

Income

Sales 1kg cheese	**___ x $10**	**$**
Sales 2kg cheese	**___ x $9.50**	**$**

Total $

How much does he make in a month?

Expense

Cheese	**___ x $6.80**	**$**
Containers	**___ x $0.50**	**$**

Total $

Weekly Balance = Income – Expenditure

$ - $ = $

Monthly Balance = Weekly Balance x

4 x $ = $