

Aim/context

To understand that you can use other forms of payment as well as money.

To know how to multiply and divide a weight value and its corresponding monetary value.

Level 2 - Age group year 4/5

This game will ask the children to buy 1 or 2 items from the Eco Farm shop. They will have a coupon or voucher to reduce the price of their purchases and they need to work out the cost once the coupon or voucher has been used.

Skills

Mathematics

I can calculate different measures and solve money related problems in pounds and pence

I can recognise the % symbol and understand what it relates to

Financial education

I understand why making informed decisions will help me make the most of the money I spend and save (using the money off coupons)

Scottish Curriculum Ref: MNU 2-07a

Teacher tips

Previous knowledge needed:

- Talk about their experiences of visiting a farm.
- Discuss free range and organic produce.
- To have experience of recording money values using £ and a decimal point.
- To have experience of multiplying and dividing weight measurements.

Key questions/prompts

Using the Eco Farm **Vouchers & Coupons sheet**, ask the children questions related to the price list, modelling how to multiply or divide units of weight.

e.g:- How much do 6 eggs cost? How much do 12 eggs cost?

How much does 1 kg of chicken cost? How much does 500g of chicken cost?

How much does 250g of burgers cost? How much does 1 kg of burgers cost?

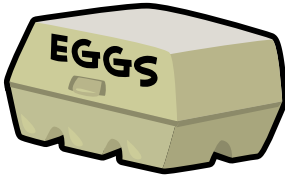
Repeat this style of question until the children are confident in multiplying and dividing units of weight using calculators.

Hand out money off coupons and vouchers (**Vouchers & Coupons**) to a few children in the class.

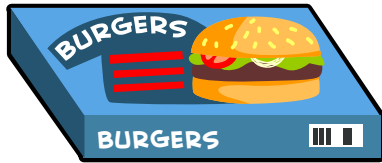
- Ask a member of the class to pick something to buy from the shop and use their voucher to help to pay for the purchase. Model working out how much money they need to add to the coupon/voucher to complete the sale. Ask the other children to check their answer and address any misconceptions.
- Repeat this type of question until the children are confident in using the coupons and vouchers.

Group activity ideas

- Using **Shopping List 2**, the children must read the word problems and answer the questions (remembering to reduce the price in accordance with the voucher/coupon).
- Collect a selection of egg boxes and put different prices on the boxes. Write special offers on the price labels e.g 50p off, $\frac{1}{2}$ price etc. The children need to work out the cost of the eggs with the price reduction and then place the boxes in price order from the lowest to the highest.
- Look at leading supermarket websites and find out the price that they charge for eggs, noting the different prices for free range or caged hen eggs.
- Set up a farm shop and ask the children to use the coupons and vouchers (**Vouchers & Coupons**) to help them to pay for items from the shop.



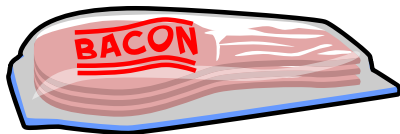
Free range eggs - £2 for 6



Burgers - £2.20 per 250g



Sausages - £4.50 per 500g



Bacon - £20 per kilo



Marmalade - £2.95 (340g)



Honey - £3.99 (340g)



Bread Flour - £1.50 per kg



Organic Coffee - £3.50 per 250g



£3 off your total spend

£1 off eggs

£5.50 off your total spend

25% off your total spend







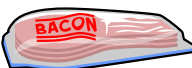

50% off your total spend

1/4 off your total spend







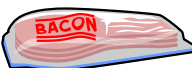

£10 off your total spend

£4.75 off your total spend



 Free range eggs - £2 for 6	 Marmalade - £2.95 (340g)
 Burgers - £2.20 per 250g	 Honey - £3.99 (340g)
 Sausages - £4.50 per 500g	 Bread Flour - £1.50 per kg
 Bacon - £20 per kilo	 Organic Coffee - £3.50 per 250g

Shopping List	Total cost
Buy 500g of sausages and 250g of burgers. You have a voucher for £2 off your total spend.	
Buy 6 eggs and 1 kg of bacon, you have a coupon for 50% off your total spend.	
Buy 2 kg of bread flour and 500g of organic coffee, you have a voucher for £3.50 off your total spend.	
Buy 340g of honey, 340g of marmalade and 1 kg of bread flour. You have a coupon for 25% off your total spend.	
Buy 12 eggs and 2 kg of bread flour. You have a voucher for £1.75 off your total spend.	
Buy 250g of bacon and 250g of sausages. You have a voucher for £1.40 off your total spend.	
Buy 500g of burgers and 3 eggs, you have a coupon for 50% off your total spend.	
Buy 125g of burgers and 4 kg of bread flour. You have a coupon for 30% off your total spend.	

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 Burgers - £2.20 per 250g	 Honey - £3.99 (340g)
 Sausages - £4.50 per 500g	 Bread Flour - £1.50 per kg
 Bacon - £20 per kilo	 Organic Coffee - £3.50 per 250g

Shopping List	Total cost
Buy 500g of sausages and 250g of burgers. You have a voucher for £2 off your total spend.	£4.70
Buy 6 eggs and 1 kg of bacon, you have a coupon for 50% off your total spend.	£11.00
Buy 2 kg of bread flour and 500g of organic coffee, you have a voucher for £3.50 off your total spend.	£6.50
Buy 340g of honey, 340g of marmalade and 1 kg of bread flour. You have a coupon for 25% off your total spend.	£6.33
Buy 12 eggs and 2 kg of bread flour. You have a voucher for £1.75 off your total spend.	£5.25
Buy 250g of bacon and 250g of sausages. You have a voucher for £1.40 off your total spend.	£5.85
Buy 500g of burgers and 3 eggs, you have a coupon for 50% off your total spend.	£2.70
Buy 125g of burgers and 4 kg of bread flour. You have a coupon for 30% off your total spend.	£4.97