

Aim/context

To know how to multiple and divide a weight value and its corresponding monetary value.
To think about the ethical dimensions of their financial decisions.
To begin to understand that there are people in other countries and their own country who may be less fortunate than themselves.

Level 3 - Age group year 5/6

This game will ask the children to buy 1, 2 or 3 items from the Eco Farm shop. They will have to work out a percentage of the cost.

Skills

Mathematics

I can solve money related problems and calculate the % donated to charity

Financial education

I am beginning to understand why and how some of the money we earn supports the wider community

Scottish Curriculum Ref: MNU 2-7a

Teacher tips

Previous knowledge needed:

- Discuss any current world economic issues and others that may need aid from charity organisations.
- 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

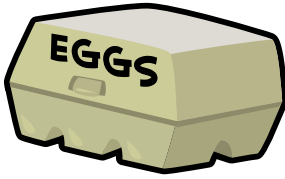
Ask the children to think of a group of people that may benefit from a charitable donation. Find out more information about these circumstances to share with the children. Discuss why it is important to help those that are less fortunate than ourselves.

Using the Eco Farm **Shop Price List**.

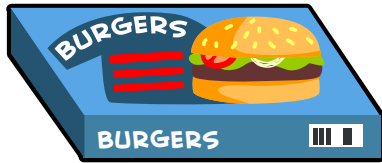
- Ask a member of the class to pick something to buy from the shop and decide how much of that price could be donated to charity (as a %). Model working out how much money would be donated using the given %. Ask the other children to check their answer and address any misconceptions.
- Repeat this type of question until the children are confident in reducing a price by 10%, 25%, 30%, 40% or 50%.

Group activity ideas

- Using **Shopping List 3**, the children must read the word problems and answer the questions (remembering to reduce the price in accordance with the % off).
- Collect a selection of egg boxes and put different prices on the boxes. Write % on the price labels that will be donated to charity. e.g 10%, 50% etc. The children need to work out how much of the price will be donated to charity.
- Make a list of things that we need in our daily life to survive and luxuries that we could cope without. Compare with children and families in third world countries.
- Bake cakes to sell at playtimes to raise money for a local/international charity project.



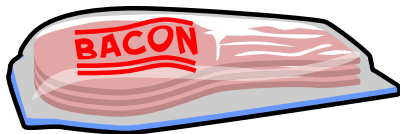
Free range eggs - £2 for 6



Burgers - £2.20 per 250g



Sausages - £4.50 per 500g



Bacon - £20 per kilo



Marmalade - £2.95 (340g)











Honey - £3.99 (340g)









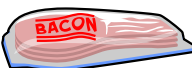

Bread Flour - £1.50 per kg



Organic Coffee - £3.50 per 250g

 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	How much will it cost?	How much will the shop donate to charity?
Buy 500g of sausages and 250g of burgers. The shop will donate 10% of the sale to charity.		
Buy 1 kilo of bacon and 1 kg of bread flour. The shop will donate 50% to charity.		
Buy 2 kg of bread flour and 500g of organic coffee. The shop will donate 25% of the sale to charity.		
Buy 340g of honey, 340g of marmalade and 1 kg of bread flour. The shop will donate 25% to charity.		
Buy 12 eggs and 2 kg of bread flour. The shop will donate 20% of the sale to charity.		
Buy 250g of bacon, 250g of sausages and 340g of marmalade. The shop will donate 10% of the sale to charity.		
Buy 500g of burgers and 3 eggs. The shop will donate 50% of the sale to charity.		
Buy 125g of burgers and 4 kg of bread flour. The shop will donate 30% of the sale to charity.		

 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	How much will it cost?	How much will the shop donate to charity?
Buy 500g of sausages and 250g of burgers. The shop will donate 10% of the sale to charity.	£6.70	£0.67
Buy 1 kilo of bacon and 1 kg of bread flour. The shop will donate 50% to charity.	£21.50	£10.75
Buy 2 kg of bread flour and 500g of organic coffee. The shop will donate 25% of the sale to charity.	£10.00	£2.50
Buy 340g of honey, 340g of marmalade and 1 kg of bread flour. The shop will donate 25% to charity.	£8.44	£2.11
Buy 12 eggs and 2 kg of bread flour. The shop will donate 20% of the sale to charity.	£7.00	£1.40
Buy 250g of bacon, 250g of sausages and 340g of marmalade. The shop will donate 10% of the sale to charity.	£10.20	£1.02
Buy 500g of burgers and 3 eggs. The shop will donate 50% of the sale to charity.	£5.40	£2.70
Buy 125g of burgers and 4 kg of bread flour. The shop will donate 30% of the sale to charity.	£7.10	£2.13