

NUMERACY

TITLE: PLACE VALUE

AGE GROUP: 9 - 11

DURATION: 30 – 45 minutes

LEARNING OUTCOME: L03: Support learners in the development of appropriate literacy and numeracy skills for life

KEY CONCEPTS: use their understanding of the place value (magnitude) of numbers -whole numbers, decimal numbers and fractions; develop an eye for detail (curiosity) when thinking about monetary values.

Knowing how to compare the size (magnitude) of money spent or earned in a key skill in taking care of our finances.

MATERIALS NEEDED:

1. Writing materials – pen, pencil, paper
2. Optional (access to a spreadsheet – e.g. Microsoft Excel)

Activity one:

Fred and Emelia help their mum with the weekly online grocery shopping by choosing the fruits and vegetables into the online shopping basket. The items they buy are all needed, and none is wasted. Their online baskets are showing the following items:

FRED

Item	Weight	Price £
Watermelon	4kg	3.12
Bananas	3kg	2.34
Tomatoes	4kg	10
Mangoes	1kg	10
Seedless grapes	500g	3
Carrots	800g	1

EMELIA

Item	Weight	Price £
Watermelon	3kg	2.9
Bananas	4kg	3.6
Tinned tomatoes	3kg	3
Mangoes	2kg	18
Seedless grapes	800g	4
Carrots	500g	0.6

Required:

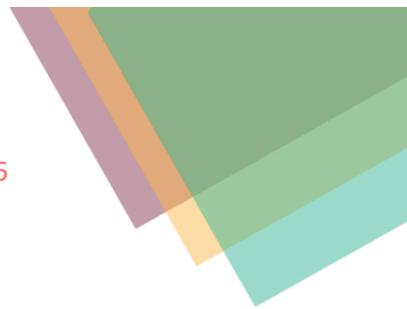
1. Who between Fred and Emelia is going to spend the most amount of money for the basket of good?
2. Let us say that the quality of the items in both baskets are the same. How would we check whether Fred or Emelia is paying the least amount of money for the items in their basket?
3. Between Fred and Emelia, who is going to pay the least amount of money for each of the items selected into their basket?

Activity two:

Have a conversation with an adult (teacher, parent, guardian or sibling). Start by asking them the time they bought any of the following: car insurance, any form of electronic equipment (mobile phone, blender, computer etc), furniture, book or house.

Ask them the following questions and write your answer on the activity sheet:

1. Did you compare the price of the item you bought with another one before buying?
2. Why?



ACTIVITY SHEETS: ONE

FRED

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EMELIA

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1. Total cost for Fred.....
Highest.....

Total cost for Emelia.....

2. Divide the price of each item by the weight and complete the table below for Fred and Emelia

Item	Fred price/unit	Emelia price/unit	Compare & find cheapest
Watermelon			
Bananas			
Tomatoes			
Mangoes			
Seedless grapes			
Carrots			

3. Compare the price per unit of Fred with that of Emelia and choose who paid the lowest price for each of the items.