TOPIC: MONEY
Buying and selling
Example

Ofwono had sh. 6,000 and bought the following items.

- 3kg of sugar at sh. 1,000 per kg.
- 1 ½ kg of salt at sh. 600 per kg.
- 2 loaves of bread at sh. 1,400

(a)Find his total expenditure.

Ofwono's shopping bill

sugar	salt	bread	amount
1000	600 x3	Sh. 1400	3000
x 3	2		900
sh. 3000	300 x3		+ 1400
	= Sh. 900		Sh. 5300

(b)   Calculate his balance.

Balance = sh 6000

- sh. 5300

sh. 700

Activity

1. Jane bought the following items from the market.
    - 3 kg of sugar at sh. 2,800 per kg
    - 1.5 kg of rice at sh. 3,200 per kg
    - 1.5 litres of paraffin at sh. 3000 per litre.
    - 8 oranges at sh. 200 per orange.

    If Jane remained with sh. 5,700, how much money did she go with?

2. Betty was given sh. 50,000 t0 buy things to take to school and she bought the following.
    - 3 dozens of exercise books at sh.6,000 per dozen.

- 4 tablets of bathing soap at sh. 2,500 per tablet.
- 2 tubes of tooth paste at sh. 3,500 per tube.

   a) How much money did she spend altogether?

   b) How much money did she remain with?

3. Apio bought the following items from the market.
   - 2kg of rice at sh. 4500 a kg
   - 1.5 kg of meat at sh. 1400 a kg
   - 500g of salt at sh.2000 a kg
   - A sachet of cooking oil at sh.2500

   How much money did she spend altogether?

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Completing Bill Tables

Example

Study Mary's bill and fill in the missing information.

Item	Quantity	Unit cost	Amount
sugar	4kg	Sh.1,200	Sh.-------
Soap	2 bars	Sh. --------	Sh. 1,400
c.oil	----- litres	Sh.1,500	Sh. 4,500
Total			Sh.-------

Side work

Sugar	Soap	C.oil
1200	1400	4500
x 4	2	1500
sh.4800	= sh. 700	= 3 litres

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Activity

The table below shows some of the items Mrs. Okurut bought for Christmas.

Items	Quantity	Unit cost	Total cost
Rice	3.5 kg	Sh. 3,000	Sh.-------
Meat	3kg	Sh. 12,000	Sh. 24,000
Sugar	2.5kg	Sh. ---------	Sh. 10,000
Tomatoes	--------	Sh. 400	Sh. 1400
Onions	2	Sh. 600	Sh. 1200
Total			Sh. --------

a) Complete the table below.

b) If she had sh. 50,000 and was given a discount of 10%, how much did she remain with?

1. Logose had sh. 60,500 and she went to the market and bought the following items shown on the table below.

Items	Quantity	Unit cost	Total cost
Meat	3 kg	Sh. 15,000	Sh.-------
Bread	2 loaves	Sh. -------	Sh. 4,000
Milk	------ litres	Sh. 2000	Sh. 3000
Soap	3 bars	Sh.------	Sh. 7,500
Charcoal	1 bag	Sh. 30,000	Sh. 30,000
Transport			
Total			Sh. --------

a) Complete the table below.

b) How much money was she left with?

2. A p.6 pupil was sent to the market with sh. 31,300 to buy the items shown on the table below.

Item	Price	Total cost
3 kg of beans	Sh. ------- per kg	Sh. 6,600
3 kg of sugar	Sh. 2,800 per kg	Sh. -------
4 kg of meat	Sh. ------- per kg	Sh. 13,000
----- loaves of bread	Sh. 2200 per loaf	Sh. 3,300
Total expenditure		Sh. 22,900

a) Complete the table

b) What change did the pupil get after buying the items if a discount of 10% was given?

Study and complete Mukasa,s shopping table below.

Items	Quantity	Unit cost	Total cost
Sugar	3 kg	Sh. ----per kg	Sh.14,000
Rice	---- kg	Sh. 5,000 per kg	Sh. 4,000
Milk	250 ml	Sh. 3000 per litre	Sh. -----
Biscuits	2 packets	Sh.------	Sh. ------
Total expenditure			Sh. 29,650

UGANDA CURRENCY

The Uganda currency consists of the coins and Bank notes.

(i)Coins are in denominations of;

Sh. 50, sh. 100, sh. 200, sh.500 and sh.1, 000

(ii)   Bank notes are in denominations of;

Sh. 1,000, sh. 2,000, sh. 5,000, sh. 10,000, sh. 20,000 and sh. 50,000

Finding number of notes in a bundle
Example

1. Find the number of bank notes in a bundle numbered from AP003782 to AP003881.

No. of notes = AP003881

        - AP003782

            99 + 1

      = 100 notes.

(ii) How much money is in the bundle if each note is worth sh. 5,000

          =Sh. 5,000 x 100

          =Sh. 500,000

Note: For water bills and electricity bills do not add one after subtracting.

2. The family's electric metre reading was 006771 at the beginning of the month and 006791 by the end of the month.
   a) How many units of electricity did the family use that month?
   b) If each unit costs sh. 550, how much did the family spend on electricity that month?

   a)   006791
      -   006771
             20 units

   b) = Sh. 500 × 20
   = sh. 10,000

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LESSON 22**

ACTIVITY

1. James had a bundle of twenty thousand shilling notes numbered consecutively from XZ60048700 to XZ60048799.
 (i)   How many notes did he have in the bundle?
 ii)   If he bought a plot of land at sh. 1,500,000, how much money did he remain with?
2. Peter was given a bundle of one thousand shilling notes numbered consecutively from OR447500 to OR447699. How much money did Peter get?
3. Maria has a bundle of five thousand shillings numbered consecutively from AP534201 to AP5343300. How much money does she have?
4. Tr. Prim withdrew bank notes of sh. 10,000 each numbered consecutively from BW0302103 to BW0302144.
   a) How many bank notes did she withdraw?
   b) How much money did she withdraw?

5. The water metre reading of a family was 000346 at the beginning of the month and 000376 at the end of the month. If each unit costs sh. 400, how much money does the family spend on water bills?

Uganda and other currencies

Different countries use different types of money. The money used by a country is its currency.

Below are some of the countries and their currencies

Country	Currency
Uganda	Shilling (Ug.Sh)
Kenya	K. shilling (K.sh)
Rwanda	R. Franc (RWF)
U.S.A	US dollar ($)
South Africa	Rand (ZAB)
Britain	Poundsterling(£)
Europe	Euros (€)

Conversion of currencies

Example 1

A tourist arrived in Uganda with € 1650. He had to convert it to Uganda shillings. (Given that €1 = Ush.2,500) how much Uganda shillings did the tourist get?

$$€1 = Ush.2,500$$
$$€ 1650 = Ush. 2,500 \times 1,650$$
$$= Ush. 4,125,000$$

Example 2

How many US dollars can you get from Ush.285,600 if 1 us dollar is worth Us 2,800?

1 US dollar = sh. 2,800

Ush.285,600 = US dollars $\frac{285600}{2800}$

= US dollars 102

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<u>Activity</u>

1. John and his young daughter travelled from Kampala to Nairobi by bus. John paid ksh.1500 and the daughter paid ksh.750. The exchange rate was ksh.1 = Ush.30.
   a) Work out the bus fair in Uganda shillings which each of them paid.
   b) John had Ush.300,000 at the beginning of the journey. What was his change in Kenya shillings after paying the bus fair for himself and the daughter?

2. The exchange rate for Kenya shillings to Uganda shillings and United States dollars to Uganda shillings are shown below.

   Ksh.1 =Ush.35

   USD1 = Ush.3600

   a) How many united states dollar will one get from USD3500?
   b) If the cost of a new bicycle is USD90, how much could this be in Uganda shillings?

3. The exchange rates in a bank are as follows.
   - 1 US dollar = Ush.3400
   - 1 British pound = Ush.4600
   - 1 Kenya shilling = Ush.35
   a) Convert Ush.1,840, 000 to British pound
   b) If a set of chairs cost 700 dollars, find the equivalent cost in Uganda shillings.

<u>Exchange rates involving buying and selling</u>
<u>Example</u>

1. The rates at which the bank buys and sells United States dollars and Kenya shillings are given in the table below.

Currency	Buying	Selling
1 US dollar	Ush.3500	Ush.3600
1 Kenya shilling	Ush.30	Ush.35

a) If a trader had 300 dollars and 500 Kenya shillings, how much money in Uganda shillings can he get from the bank?

<u>Uganda shillings from Kenya shillings</u>

= Ush.(500 × 30)

= Ush.15,000

<u>Uganda shillings from United States dollars</u>

= Ush. (300 × 3,500)

= Ush.1,050,000

<u>Total money in Uganda shillings</u>

= Ush.(1,050,000 + 15,000)

= Ush 1,065,000

b) Peter has 1050 united state dollars, how much can he exchange for Kenya shillings?

<u>US dollars to Uganda shillings</u>

= Ush.1050 × 3500

= Ush.3,675,000

<u>Uganda shillings to Kenya shillings</u>

= <u>ush.367500</u>
        35

= ush.10,500

Activity

1. The table below shows the rate at which different currencies were bought and sold in a commercial bank.

Currency	Buying	Selling
1 US dollar	Ush.3600	Ush.3650
1 Euro	Ush.4000	Ush.4020
Rwandese Franc	Ush.4	Ush.5

    a) How many Euros did musa get from Uganda shillings 603,000?

    b) Amina came from Rwanda with 109,000rwandese franc and exchanged them for US dollars. How many US dollars did she get from the bank?

2. The table below shows the rate at which DFCU bank buys and sells different currencies

Currency	Buying	Selling
1 US dollar	Ush.3500	Ush.3600
1 British Pound	Ush.4000	Ush.4200
1Ksh	Ush.30	Ush35

    a) A tourist had 250 US dollars. How much money in Uganda shilling did he get from the bank?

    b) Musa had Ugsh1,680,000, how many British pounds did he get from the bank?

    c) A man bought a laptop for 700British pounds. Find the cost of the same laptop in Kenya shillings.