SUBTOPIC: Uganda currency

 Recognition of money   (Anew MK ppls BK 4pg 133)

Money is a medium of exchange.

The medium of exchange (currency) used in Uganda is called shillings

Types of money used in Uganda

   i)   coins

   ii)   papers (notes)

Coins

- 50 shilling coin
- One hundred shilling coin
- Two hundred shilling coin
- Five hundred shilling coin
- One thousand shilling coin

Paper notes

- One thousand shilling note.
- Two thousand shilling note.
- Five thousand shilling note.
- Ten thousand shilling note.
- Twenty thousand shilling note.
- Fifty thousand shilling note.

Activity

Write down two features found on the following coins and notes used in Uganda.

   a) 200 shilling coin

b) 500 shilling coin

c) 2000 shilling note

d) 50000shilling not

Conversion of money (Anew MK ppls BK 4 pg 134)

Examples

1. How many sh. 100 coins are in sh. 2,000 note?

No. 100 shilling coins = $\dfrac{2\cancel{000}}{1\cancel{00}}$

= 20 coins

2. Tom has 5notes of sh.4000. How much money does Tom have?

$$Sh.\ 4,000$$
$$\underline{\times\qquad 5}$$
Tom has   sh. <u>20, 000</u>

3. How many 500 shilling coins can be obtained from 20,000 shilling note?

No. of 500 shilling coins = $\dfrac{\overset{40}{\cancel{20,000}}}{\cancel{500}}$

= 40 coins

Activity

1. Jane has 8 coins of sh. 200. How much money does Jane have?
2. How much money can Peter get from 20- five thousand shilling notes?
3. How many 500 shilling coins can be obtained from 50,000 shilling note?

4. Mary changed a twenty thousand shilling note into two hundred shilling coins. How many coins did he get?
5. Tito found 3-five hundred shilling coins in his pocket. How much money was that?
6. Mummy has 2-twenty thousand shilling notes. How much money does Mummy have?

Addition of money (A new MK ppls BK4 pg 137)

Examples

1. A man had 4800/= and he was given sh. 1200 by his friend. How much money did he have altogether?

$$
\begin{array}{r}
\text{Sh. } 4800 \\
+ \text{ Sh. } 1200 \\
\hline
\text{Sh. } 6000
\end{array}
$$

A man had sh. 6000 altogether.

2. I have 1 coin of sh. 500 and 2 notes of sh.1000. How much money do I have?

$$
\begin{array}{r}
\text{Sh. } 500 \\
\text{Sh. } 1000 \\
+ \text{ Sh. } 1000 \\
\hline
\text{Sh. } 2,500
\end{array}
$$

3. Add: sh. 170 + sh. 250.

$$
\begin{array}{r}
\overset{1}{}\text{Sh. } 170 \\
+ \text{ Sh. } 250 \\
\hline
\text{Sh. } 420
\end{array}
$$

Activity

1. Add: sh. 200 + sh. 500

2. I had sh. 450 and I was given sh. 1350. How much do I have altogether?

3. A porter earns sh. 1500 in the morning and sh. 2700 in the afternoon. How much does he earn altogether?

4. Nelly had sh. 4530 and Mary had sh. 3470. How much money did the two children have?

5. Workout the sum of sh. 5450 and sh. 1750

6. Camilla received sh. 6,700 from the mother and sh. 12,300 from the father. How much money did she receive altogether?

<u>Subtraction of money (Anew Mk ppls Bk 4 pg 138)</u>

1. How much change will you get from a one thousand
Shilling note if you spend sh. 350?

$$
\begin{array}{r}
\overset{0\ 9\ 10}{\text{Amount} \longrightarrow \text{sh.} \cancel{1},000} \\
\text{Spent} \longrightarrow -\text{sh.} \ \ 350 \\
\hline
\text{Sh. 650}
\end{array}
$$

2. Mariam had sh.25, 000. She spent sh. 6,500. How much change did she get?

$$
\begin{array}{r}
\overset{1\ 14\ 10}{\text{Sh.} \cancel{25},000} \\
-\ \text{Sh.} \ \ \ 6,500 \\
\hline
\text{Sh. 1 8, 500}
\end{array}
$$

3. Brian had sh. 7,000. If he gave sh. 3700 to Angel, how much did he remain with?

$$
\begin{array}{r}
\overset{6\ 10}{\text{sh.} \cancel{7},000} \\
-\ \text{sh. 3700} \\
\hline
\text{sh. 3300}
\end{array}
$$

<u>Activity</u>

1. Take away sh. 750 from sh. 1,450.

2. Martha had one thousand shilling note and she spent sh.540. What was her change?

3. Jovat had a ten thousand shilling note and gave out sh. 2500 to Akello. How much money did Jovat remain with?

4. I had sh. 18000 and I spent sh.8900. How much change did I get?

5. Subtract: sh. 17450
             - sh. 6350
             _____

Multiplication of money (Anew MK ppls BK 4 pg 139)

Examples

1. The cost of 1 loaf of bread is sh. 1800. Find the cost of 3 loaves.

    Sh. 1800
    $\times$ 3
    _____
    Sh. 5400

2. The price of a bar of soap is sh. 1,200. How much do you pay for 5 bars of soap?

    1 bar of soap costs sh.1, 200.

    5 bars of soap cost sh. 1, 200 $\times$ 5

    You pay Sh. 6, 000

    ```
         1
    Sh. 1, 200
    $\times$      5
    _____
    Sh. 6, 000
    ```

3. A kilogramme of margarine costs sh.4, 500. How much will one pay for 2 kilogrammes?

    1 kg $\longrightarrow$ sh. 4, 500
    2 kg $\longrightarrow$ sh. 4, 500
          $\times$ 2
    _____
    Sh.9, 000

1. One pen costs sh. 1,500. H0w much will 6 pens cost?
2. Find the cost of 5 exercise books if one book costs sh.600.
3. A tin of shoe polish costs sh. 2,700. How much will you pay for 9 such tins?
4. Okello bought 8 litres of petrol at sh. 8000 each. How much did he pay?
5. A bottle of soda costs sh. 900. A restaurant sold 8 bottles of soda. How much money did the cashier get?
6. A bag of charcoal costs sh. 14,000. Find the cost of 6 bags of the same charcoal.

Division of money (A new MK ppls BK 4 pg 140)

Examples

1. 4 books cost sh. 1, 200. Find the cost of one book?

4 books → sh. 1,200.

1 book → sh. $\dfrac{\overset{300}{\cancel{1,200}}}{\cancel{4}^{\,1}}$

1 book costs sh. 300

2. A man bought a basket of 5 mangoes at sh. 1, 000. How much did he pay for each mango?

5 mangoes cost sh. 1, 000

1 mango costs sh. $\dfrac{\overset{200}{\cancel{1,000}}}{\cancel{5}^{\,1}}$

1 mango costs sh. 200

3. Aisha paid sh. 4, 200 for 6 bottles of soda. Find the price of each bottle of soda.

6 bottles cost ⟶ sh. 4, 200

1 bottle costs ⟶ sh. $\dfrac{\overset{700}{\cancel{4, 200}}}{6}$

1 bottle costs sh. 700

1. 6 pens cost sh. 1, 200. What is the cost of each pen?
2. The cost of 3 books is sh. 1, 500. Find the cost of one book.
3. 4 apples cost sh. 2,400. What is the cost each apple?
4. A farmer sold 8 bags of coffee at sh. 40, 000. What was the price of each bag?
5. A basket of oranges costs sh. 1, 800. What is the cost of one orange?
6. Nakandi bought 3 litres of paraffin at sh. 5, 400. What is the cost of 1 litre of paraffin?
7. A shopkeeper sold 7 pens at sh. 2, 100. What was the cost of each pen?

Simple rates

Examples

1. Nine pens cost sh. 4,500. Find the cost of ten similar pens.

9 pens cost sh. 4,500

One pen costs sh. 4500 ÷ 9

= sh. 500

Ten pens cost sh. 500 x 10

= sh. 5000

1. Five mathematical sets cost sh. 12,500. Find the cost of 4 similar sets.

2. Eight show tickets cost sh. 80,000. Find the total cost of 10 similar tickets.

3. Four boxes of chalk cost sh. 10,000. Find the cost of 6 similar boxes of calk.

4. 6 pairs of shoes cost sh. 120,000. Find the cost of five similar shoes.

5. A dozen of clothes cost sh. 60,000. Find the total cost of 9 clothes.

Shopping bills and Balances. (A new MK ppls BK 4pg 141)

Example

1. Mrs. Outa had sh. 10, 000 and bought the following items.
   Milk at sh. 1, 000, potatoes sh. 5, 000, fish sh. 1, 500.
   How much money did she remain with?

Milk ⟶	sh. 1, 000	amount before ⟶ sh. $\cancel{10},000$ (9 10)
Potatoes ⟶	sh. 5, 000	amount spent ⟶ - sh. 7, 500
Fish ⟶	+ sh. 1, 500	sh. 2, 500
Spent	Sh. 7,500	

2. James went to the market and bought the following items.
   A pair of canvas shoes for sh. 3, 700
   A pair of sports short for sh. 3, 300
   A T-Shirt for sh. 1, 800
   A pair of socks at sh. 1, 200.

How much did he pay altogether?

Canvas shoes ⟶ sh. 3, 700

Sports shorts ⟶ sh. 3, 300

T. shirts   ⟶ sh. 1, 800

Socks   ⟶ + sh. 1, 200

Sh. 10,000

Activity

1. Alex went to the market and bought the following items.

Sugar sh. 3, 000,

Salt sh. 1, 000,

Blue band sh. 2, 500,

Rice sh. 3,200

Irish potatoes sh. 5, 000.

a) Work out the cost of the items.

b) If Alex had a twenty thousand shilling note. What was his change?

2. Aisha went to the market and bought the following items;

3 bunches of matooke at sh. 4, 000 each

2kg of sugar at sh. 3, 500 per kg

2 litres of cooking oil at sh. 1, 000 each litre

a) How much did Aisha pay for all the items?

b) Workout Aisha change.

3. Mummy went shopping with sh. 30, 000 and bought the following items.

2kg of meat sh. 6, 000 per kg

A litre of milk at sh. 1, 200

3 kg of sugar at sh. 2000 per kg

a) Calculate her total expenditure.

b) What was her change?

4. Mary bought the following items

   5kg of maize flour at sh. 4, 000

   1kg of salt at sh. 1, 000

   2 bars of soap at sh. 3, 000 a bar

   3 loaves of bread at sh. 4, 000 per loaf.

   a) How much money did Mary pay for bread?

   b) How much money did she pay for the items?

   c) Workout her change if she had sh. 40, 000

Completing shopping bills (Anew Mk ppls Bk 4 pg142)

Multiply quantity by the unit cost to get the total cost.

- Divide the total cost by the quantity to get the unit cost.
- Divide the total cost by the unit cost to get the quantity.

Examples

1. Complete the bill table below.

ITEM	QUANTITY	UNIT COST	TOTAL
Books	5	Sh. 300	Sh. 1,500
Pens	2	Sh. 1, 000	Sh. 2, 000
Rubber	2	Sh. 600	Sh. 1, 200
Total expenditure			Sh. 4,700

Books
Sh. 300
×   5
Sh. 1,500

Pens 1000
Sh. 2, 000
2
1
Sh. 1000

Rubber
Sh. 1,200   2
Sh.600
1

Sh. 1,500
Sh. 2,000
+ Sh. 1, 200
Sh. 4,700

2. Complete the shopping bill below for Mr. Alex

ITEM	QUANTITY	UNIT COST	TOTAL
Sugar	2kg	Sh. 2, 500	Sh. 5, 000
Salt	$\frac{1}{2}$ kg	Sh. 1, 000	Sh. 500
Bread	2 loaves	Sh. 3,500	Sh. 7, 000
Tea leaves	$\frac{1}{2}$ kg	Sh. 1, 800	Sh. 900
Total expenditure			Sh. 13, 400

Sugar	Salt	Bread	Tea leaves
Sh. 2, 500	sh. 500 ÷ $\frac{1}{2}$	sh. 3,500	sh. 1, 800 x $\frac{1}{2}$ (900)
x 2	sh. 500 x 2	x 2	sh. 900
Sh. 5, 000	Sh. 1,000^1	Sh. 7, 000	Totals

sh. 5, 000

sh. 7, 000

+ sh.   900

Sh. 500

Sh.1 3, 400

c) If Alex was given sh. 1, 600 as his change, how much money did he have at first?

Amount at first = Sh. 13, 400

+ Sh. 1, 600

Sh. 15, 000

Activity

1. Copy and complete the shopping bill tables below

ITEM	QUANTITY	UNIT COST	TOTAL
Pencils	3	Sh. 400	Sh. _____
Pens	2	Sh. _____	Sh. 5, 000
Books	_____	Sh. 200	Sh. 2, 400
Total expenditure			Sh. _____

2

ITEM	QUANTITY	UNIT COST	AMOUNT
Beans	3kg	Sh. 1, 000	Sh. _____
G. nuts	5kg	Sh. _____	Sh. 10, 000
Soya	_____ kg	Sh. 1, 800	Sh. 3, 600
Sim sim	1kg	Sh. 2, 400	sh. _____
Total expenditure			Sh. _____

3

ITEM	QUANTITY	UNIT COST	TOTAL
Bread	3 loaves	Sh. 1,200	Sh. _____
Cooking oil	2 litres	Sh. _____	Sh. 2, 400
Meat	500 g	Sh. 6, 000	Sh. _____
Beans	_____	Sh. 800	Sh. 6, 400
Rice	2 kg	Sh. 1, 800	Sh. _____
Total expenditure			Sh _____

SUBTOPIC: Profit and Loss (Anew mk ppls bk4 pg143)

Finding Profit

Profit is made when we sell an item at a price higher than its cost price / buying price.

Profit = selling price – buying price/ cost price

Profit = SP – BP/CP

Examples

1. A shopkeeper bought a book at sh. 15o and sold it at sh. 200.
   What profit did he get?
   Profit = Sp - Bp
   Profit = sh. 200 – sh. 150
   Profit = sh. 50

2. The cost of a radio is sh. 12, 300. Musa sold the same radio at sh. 15, 000. Find his profit.

Profit = SP – BP

SP = Sh. 1$\overset{4}{\cancel{5}}\overset{10}{0}$, 000

BP = -Sh. 12, 300

Sh. 2, 700

Activity

1. Ankunda bought a book at sh. 350 and sold it at sh. 250.
   What amount did he lose?
2. Ssozi bought a cup at sh. 3, 000 and sold it at sh. 3, 500.
   Calculate the profit he made.
3. Kizza bought a goat at sh. 40, 000 and sold it at sh. 53, 000.
   How much profit did he make?
4. Amos bought a coat at sh. 35, 000 and later sold it at sh. 42,000.
   Find how much his profit was.
5. Ouma bought a dictionary at sh. 13, 700 and later sold it at sh. 20,000. How much profit did she make?
6. The cost price of a shirt is sh. 15, 000. Mary sells the same shirt at sh. 22, 000. How much profit does she make

Finding loss (Anew mk bk 4 pg 144)

Loss is got when you sell an item less than what you paid for it.

Loss = Buying price – Selling price.

Loss = Bp - Sp

Examples

1. The cost price of a shirt is sh. 22, 000. Maria sells the same shirt at sh. 15, 000. How much loss

   Loss = BP – SP

   BP = sh. $2\overset{1}{2}$, $0\overset{12}{0}0$

   Sp =-sh. 15, 000

2. Rodgers bought a book at sh. 350 and sold it at sh. 250.
   What amount did he lose?

Sh. 7, 000

loss = BP – SP

Loss = sh. 350 – sh. 250

Loss = sh. 100

1. Opilli bought a book at sh. 1, 200 and later sold it at sh. 800. What was his loss?

2. Ssozi bought a cup at sh. 3, 500 and sold it at sh. 3, 000.

   Calculate the loss he made.

3. Batte bought a bag at sh. 12, 500 and sold it at sh. 10, 000. What loss did Batte make?

4. Akide bought a chair at sh. 42, 750. She sold this chair at sh. 39,000. Calculate the loss she made.

5. Kato bought a pen at sh. 1, 500 and sold it at sh. 700. Workout his loss.

Finding selling price when profit or loss

Selling price = buying price + profit

Selling price = buying price – loss

Examples

1. Peter bought a book at sh. 23,000. He later sold it to Amos at a profit of sh. 2,500. At what price did he sell the book?

Selling price = buying price + profit

$$\begin{array}{r} \text{Sh. } 23000 \\ + \ \underline{\text{sh. } 2500} \\ \underline{\text{Sh.} 25500} \end{array}$$

2. A shop keeper bought a bicycle at sh. 278,000 and later sold it at a loss of sh. 72000. What was his selling price?

Selling price = buying – loss

Sh. 278000
-   Sh. 72000
Sh.206000

1. A hawker bought a dress at sh. 8,000. She later sold it at profit of sh. 2,000. What was her selling price?

2. A goat was bought at sh. 200,000. It was later sold at a profit of sh. 40,000. What was the selling price of the goat?

3. Magara bought a turkey at sh. 95,000. He later sold it at a profit of sh. 12,500. Calculate the selling price of the turkey.

4. A bunch of matooke was bought at sh. 15000 and later sold at a loss of sh. 3,600. At what price was it sold?

5. A cupboard was bought at sh. 125,000 and it was sold at a loss of sh. 8,500. At what price was it sold?

6. A radio was bought at sh.9,000. It was later sold at a loss of sh.5,200. At what price was it sold?

Finding cost price when given profit or loss

Cost price = selling price – profit

Cost price = selling price + loss

1. A gabo sold a radio set at sh. 50,000. She made a profit of sh.10,000. What was her cost price?

Buying price = selling price – profit

Sh. 50000
-sh. 10000
Sh. 40000

2. Oketch sold a goat at sh. 85,000 making a loss of sh. 24,000. What was the buying price of the goat?

Buying price = selling price + loss

Sh. 85000
+ sh. 24000
Sh. 109000

Activity

1. A school sells uniforms at sh.26,000 each and makes a profit of sh. 4,500. On each uniform. What was the cost price of each uniform?
2. A television set was sold at sh. 358,000 and a profit of sh.14500 as realized. What was the cost price of the television?
3. A shopkeeper sold a suit at sh. 185,000 making a profit of sh. 15,400. What was the cost price of the suit?
4. A carpenter sold a stool at sh. 14,400 making a loss of sh. 3,700. What was the buying price of the stool?
5. Ayiko sold a cow at sh. 600,000 making a loss of sh. 65,000. At what price did he buy the cow?
6. A piece of land was sold at a loss of sh. 250,000. What was the buying price of the land if it was sold at sh. 1,050,000?