

TOPIC 9: MONEY



MONEY

Revision exercise

1. Ann bought the following items.

4kg of beans at sh 8,000.

$1\frac{1}{2}$ litres of cooking oil at sh.6,000 per kg.

8 tomatoes at sh 300 for every 4 tomatoes.

500g of onions at sh 2000 per kg.

a) Calculate her total expenditure.

b) If she remained with sh.1,500, how much money did she have at first?

2. Simon has sh. 30,000, he buys the following items.

$2\frac{1}{2}$ kg of sugar at sh 2,600 per kg.

3kg of rice at sh 3,000 each.

500g of tea leaves at sh 2,000 per kg.

a) Calculate Simon's total expenditure.

b) How much money will he remain with?

3. Cissy bought the following items from a local market.

3kg of ground nuts at sh 6000 per kg

$2\frac{1}{2}$ kg of rice at sh. 4,000 per kg.

$1\frac{1}{2}$ kg of beans at sh. 3,000 per kg.

If cissy had 2 twenty thousand shilling notes, what was her change?

4. Tamale went to the market and bought the following items.

3litres of milk at sh. 2,400 per half litre.

250g of salt at sh. 2,000 per kg.

18 oranges at sh. 3,000 for every 12 oranges.

a) Calculate the total cost of the items.

b) Tamale paid sh. 12,000 for the items, what discount was he given?

5. Mahad brought the following items from a market.

2kg of rice at sh. 4800 per $1\frac{1}{2}$ kg.

$1\frac{1}{2}$ kg of meat at sh. 6,000 per 750g.

500g of salt at sh. 2,800 per 2kg.

A sachet of cooking oil at sh.1,750.

How much money did he spend altogether?

6. The list below shows prices of different items in a certain shop.

2kg of sugar cost sh. 7,200.

500g of posho cost sh.1,800.

1kg of beans costs sh. 3,200.

3 bars of soap costs sh. 10,500.

a) How much money will Akena pay for 3kg of sugar?

b) Sandra buys 2kg of beans, $1\frac{1}{2}$ kg of posho and 2 bars of soap. How much money does she pay?

7. The bill table below was prepared by Kato who was going back to school. Complete it correctly.

Item	Quantity	Unit cost	Total cost
Books	$1\frac{1}{2}$ dozen	sh. 12,000	sh _____
Pens	___ dozen	sh. 6,000	sh. 3,000
Omo	$\frac{1}{2}$ kg	sh _____	sh. 4,200
Meat	_____ kg	sh 21,000	sh. 10,500
Total expenditure			sh. _____

8. A trader bought a carton of books at sh 165000. He used sh 5000 for transport. If a carton contains 24 dozens, how much money must he sell each book to make a profit of sh 74800?

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8. Nakato bought the following items shown in the table below.

Item	Quantity	Price	Amount
Eggs	15 eggs	sh. _____ per kg	sh. 4,500
Meat	_____ kg	sh. 6,000 per kg	sh. 15,000
Cooking oil	$\frac{1}{2}$ litre	sh. 4,000 per litre	sh. _____
Sugar	$\frac{1}{2}$ kg	sh. _____	sh. 4,500
Total expenditure			sh. _____

a) Complete the table above.

b) If Nakato went with sh.30,000, how much did she remain with?

9. Kisakye had sh. 20,000 and bought the following items.

Study the table and complete it correctly.

Item	Quantity	Unit price	Total price
Sugar	$3\frac{1}{2}$ kg	sh. _____	sh. 8,400
Blue band	2 tins	sh. 1,500 per tin	sh. _____
Tea leaves	_____ packets	sh. 800 per packet	sh.1,600
Total expenditure			sh. _____

10. Nakibuuka went shopping and bought the following items shown in the table below.

Item	Quantity	Unit cost	Total cost
Beef	$3\frac{1}{2}$ kg	sh. 12,000	_____
Bread	2 loaves	_____	sh. 9,600
Cooking oil	_____ litres	sh. 4,800	_____
Sugar	$2\frac{1}{2}$ kg	_____	sh. 9,000
Total expenditure			sh. 64,800

a) Complete the table above.

b) If she went with sh. 70,000 and was given a discount of sh.1,500, how much did she remain with?

11. Study and complete Muwonge's shopping table below.

Item	Quantity	Unit cost	Amount
Sugar	3kg	sh. _____ per kg	sh. 144,00
Rice	_____ kg	sh. 5,000 per kg	sh. 2,500
Milk	250ml	sh. 3,000 per kg	sh. _____
Biscuits	2 packets	sh. _____ per packet	sh. _____
Total expenditure			sh. 29,650

Complete the table above.

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12. Nabikolo went shopping with 2 twenty thousand shilling notes and bought the following.

Item	Price	Quantity	Amount
Sugar	_____	$2\frac{1}{2}$ kg	sh. 12,000
Meat	sh. 14,000	_____	sh. 21,000
Rice	sh. 4,000	$\frac{3}{4}$ kg	_____
Milk	_____	$1\frac{1}{4}$ litres	_____
Total expenditure			_____

If she remained with sh. 3,000 after a discount of sh. 1,250, complete the table above.

Uganda currency

Uganda currency consists of coins and notes.

Identifying coins and notes.

Example 1

Timothy has 6 notes of fifty thousand shillings. How much money does he have?

$$\begin{array}{r} \text{sh } 50,000 \\ \times \quad 6 \\ \hline \text{sh. } 300,000 \end{array}$$

Example 2

I have 3 coins of sh 500 and 4 two thousand shilling notes. How much money do I have altogether?

$$\begin{aligned} &(3 \times \text{sh } 500) + (4 \times \text{sh } 2,000) \\ &\text{sh } 1,500 + \text{sh } 8,000 \\ &\text{sh. } 9,500 \end{aligned}$$

Example 3

How many 500 shilling coins are equivalent of two ten thousand shilling notes?

$\begin{array}{r} \text{sh. } 10,000 \\ \times \quad 2 \\ \hline \text{sh. } 20,000 \end{array}$	<p><u>Number of coins</u></p> $\begin{array}{r} (\text{sh. } 20,000) \\ \text{sh. } 500 \\ \hline = 40 \text{ coins} \end{array}$
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Example 4

A man had 200 shilling coins and seven 500 shilling coins. He had sh. 6,500 altogether. How many 200 shilling coins did the man have?

$\begin{array}{r} \text{sh. } 500 \\ \times \quad 7 \\ \hline \text{sh. } 3500 \end{array}$	$\begin{array}{r} \text{sh. } 6,500 \\ - \text{sh. } 3,500 \\ \hline \text{sh. } 3,000 \end{array}$	$\begin{array}{r} \text{sh. } 3000 \\ \text{sh. } 200 \\ \hline = 15 \text{ coins} \end{array}$
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Exercise

- Calculate the amount of money in
 - 3 two hundred shilling coins.
 - Five 100 shilling coins.
 - Twelve 1000 shilling coins.
 - 48 five hundred shilling coins.
 - 6 one thousand shilling notes.
 - 4 twenty thousand shilling notes.
 - 15 fifty thousand shilling notes.
- Binyonkondo had six fifty thousand shilling notes and eight five thousand shilling notes. How much money did he have altogether?
- Kamau deposited money in different denominations as shown in the table below;

Number of notes	Value of each note
3	sh. 2,000
7	sh. 5,000
4	sh. 20,000
8	sh. 50,000

How much money did Kamau deposit altogether?

- Find the total amount of money in 6 five thousand shilling notes and 23 five hundred shilling coins.
- How many 500 shilling coins are worth sh. 17,000?
- Find the number of 2,000 shilling notes that amount to sh. 186,000.
- A boy had sh. 12,000 in denominations 500 shilling coins and 200 shilling coins. If he had 16 five hundred shilling coins, how many 200 shilling coins did he have?
- Julie went shopping with ten two thousand shilling notes and five one thousand shilling notes. She bought items worth sh. 17,500. How many 500 shilling coins were she given back as change?
- Study and complete the table below.

No. of notes	Value of each note	Total amount
4	_____	sh. 20,000
_____	sh. 2,000	sh. 24,000
16	sh. 50,000	_____
15	_____	sh. 300,000

- A man had 500 shilling coins and 13 two hundred coins. If he had sh. 11,100 altogether, how many 500 shilling coins did he have?

Finding number of bank notes in a bundle.

Example 1

A man had a bundle of five thousand shilling notes numbered consecutively from AP 3489679 to AP 3489729.

- How many bank notes were in the bundle?

$$\begin{array}{r} \text{AP } 3489729 \\ - \text{AP } 3489679 \\ \hline 0000049 \end{array} + 1 = 50 \text{ notes.}$$
- How much money did he have altogether?

$$50 \times \text{sh } 5,000$$

$$\text{sh } 250,000$$

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Example 2

Kawumbi had a bundle of bank from YX 9834235 to YX 9834304. If he had sh. 140,000 altogether, find the value of each note in the bundle.

Number of notes

$$\begin{array}{r} \text{YX 9834304} \\ - \text{YX 9834235} \\ \hline 0000069 + 1 = 70 \text{ notes.} \end{array}$$

Value of each note

$$\frac{\text{sh. 140,000}}{70} = \text{sh. 2,000}$$

He had 2,000 shilling notes

Example 3

Mpisi deposited sh 425,000 in a bank in notes of 5000 shilling denomination. The notes were numbered consecutively to MR 3892732. Find the identification number of the first note in the bundle.

Number of notes

$$\frac{\text{sh. 425000}}{\text{sh. 5000}} = 85 \text{ notes}$$

First bank note number.

$$\begin{array}{r} 85 - 1 = 84 \\ \text{MR 3892732} \\ - \quad \quad 84 \\ \hline \text{MR 3892648} \end{array}$$

Related problem

A bursar at Butiti P/S issued out receipts to pupils of P.7. The receipts were numbered consecutively from 0648 to 0695. Each pupil paid sh. 35,000 for a school sweater. How much money did the bursar collect altogether?

Number of receipts

$$\begin{array}{r} 0695 \\ - 0648 \\ \hline 0047 + 1 = 48 \text{ receipts} \end{array}$$

Amount of money

$$\text{sh } 35000 \times 48 = \text{sh. 1,680,000}$$

The bursar collected sh. 1,680,000 altogether

Exercise

- Kakadde had a bundle of 20,000 shilling notes numbered consecutively from MP 4321695 to MP 4321704.
 - How many bank notes were in the bundle?
 - How much money did Kakadde have altogether?
- A man has the following amount of money:
 - * 2,000 shilling notes numbered consecutively from AB 7878489 to AB 7878508.
 - * 5,000 shilling notes numbered consecutively from KP 6007263 to KP 6007312.
 - * 10,000 shilling notes numbered consecutively from CD 4778097 to CD 4778121.
 - How many bank notes does he have in a bundle of 5,000 shilling notes?
 - How much money does he have in notes of 2,000 shilling denomination?
 - What amount of money does he have altogether?



3. Nankinga goes to the bank to deposit some money. She has a bundle of bank notes numbered consecutively from KL 3789342 to KL 3789421. The cashier tells her that bank notes from KL 3789356 to KL 3489370 are counterfeit. If the value of each note was sh. 20,000
 - a) How much money did she deposit in the bank?
 - b) How many bank notes are forged?
 - c) What is the total value of the counterfeit notes?
4. The transport fare from Kampala to Mbale is sh. 25000. Passengers leaving Kampala for Mbale bought tickets numbered consecutively from 08489321 to 08489380.
 - a) Find the number of passengers who bought tickets.
 - b) How much money was collected from the passengers altogether?
5. A head teacher bought a chair for each of the teachers on his staff. He numbered them consecutively from 237 to 260.
 - a) How many teachers are on his staff?
 - b) If each chair was bought at sh. 65,000, how much money did he spend altogether?
6. Musomi read a novel from page 76 to page 195 without skipping a single page.
 - a) How many pages did he read altogether?
 - b) If each page had an average of 160 words, find the total number of words read by Musomi.
7. Tr. Saddam gave Bic pens to P.7 pupils. Each pupil got one pen. The pens were numbered consecutively from MN 17 to MN 46. How much money did Tr. Saddam pay for the pens if one pen costs sh. 600.
8. Electric poles were fixed 20 metres apart along one side of a square garden. The poles were numbered consecutively from 824 to 841.
 - a) How many poles were used?
 - b) Find the length of each side of the square garden.
9. The entrance fee for a football match was as follows.

Children	-	sh 5,000.
Adults	-	sh 10,000.

Tickets numbered consecutively from 84972 to 85271 were issued out to adults and 26743 to 26892 were issued out to children.
 - a) How many people paid for the football match?
 - b) How much money was collected altogether?
10. A business woman had a bundle of bank notes numbered consecutively from AT 2116347 to AT 2116386. If she had sh. 200000, find the value of each note.
11. A boy had one thousand shilling notes consecutively from BR 8642076 to BR 8642082. How many 500 shilling coins are equivalent to the amount of money he has?
12. Fifty bank notes are numbered consecutively from KX 3247869. Find the identification number for the last note.

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13. Thirty bank notes are numbered consecutively to AR 1039728. Find the identification number of the first note.
14. Kakeeto deposited sh. 300,000 in a bank in notes of 2000 shilling denomination. The notes were numbered consecutively to ZP 9832472. Find the identification number of the first note.
15. A girl read a story book to page 214. Each page had an average of 120 words. If she read 6000 words altogether, on which page of the story book did she start reading from?

Conversion of currency

Exchanging other currencies to Uganda currency and vice versa.

Example

The exchange rate in a bank are as follows.

1 US dollar (\$1) = Ug.sh. 3600

1 British pound sterling (£) = Ug.sh. 4800

1 Kenya shilling (K.sh.) = Ug.sh. 36.

- a) Convert 250 US dollars into Uganda shillings.

$$1 \text{ US dollar} = \text{Ug.sh. } 3600$$

$$250 \text{ US dollars} = \text{Ug.sh. } 3600 \times 250$$

$$250 \text{ US dollars} = \text{Ug.sh. } 900,000.$$

- b) Convert Ug.sh. 6,840,000 into US dollars.

$$\text{Ug.sh. } 3,600 = \$1$$

$$\text{Ug.sh. } 6,840,000 = \$ \left(\frac{6,840,000}{3,600} \right)$$

$$\text{Ug.sh. } 6,840,000 = \$ 190$$

- c) Change Ug.sh. 450,000 into Kenya shillings.

$$\text{Ug.sh. } 36 = \text{K.sh. } 1$$

$$\text{Ug.sh. } 1 = \text{K.sh. } \frac{1}{36}$$

$$\text{Ug.sh. } 450,000 = \text{K.sh. } \frac{1}{36} \times 450,000$$

$$\text{Ug.sh. } 450,000 = \text{K.sh. } 12,500$$

- d) A motorcycle costs 840 US dollars. Find its equivalent cost in British pound sterling.

US dollars to Ug.sh.

$$1 \text{ US dollar} = \text{Ug.sh. } 3600$$

$$840 \text{ US dollars} = \text{Ug.sh. } 3600 \times 840$$

$$840 \text{ US dollars} = \text{Ug.sh. } 3,024,000$$

Ug.sh. to £

$$\text{Ug.sh. } 4800 = \text{£ } 1$$

$$\text{Ug.sh. } 1 = \text{£ } \frac{1}{4800}$$

$$\text{Ug.sh. } 3,024,000 = \text{£ } \frac{1}{4800} \times 3,024,000$$

$$\text{Ug.sh. } 3,024,000 = \text{£ } 630$$

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- e) A business woman has £150 and K.sh. 5000. How much money does she have in Uganda shillings altogether?

<u>£ to Ug.sh.</u>	<u>K.sh. to Ug.sh</u>	<u>Total</u>
Ug.sh. 4800	5000	Ug.sh. 720000
$\times 150$	$\times 36$	$+ \text{Ug.sh. } 180000$
0000	30000	<u>Ug.sh. 900000</u>
24000	$+ 15000$	
$+ 4800$	<u>Ug.sh. 180000</u>	
<u>Ug.sh. 720000</u>		

Example 2

The table below shows how different currencies were bought and sold in a commercial bank during the month of January. Use it to answer questions that follow.

Currency	Buying in ug.sh.	Selling in Ug.sh .
1 us dollar (\$)	3700	3750
1 Euro ()	4000	4050
1 Rwandese franc	5.0	6.0

- a) How many Euros can Keith get for Ug.sh. 243,000?

$$\text{Ug.sh. } 4050 = 1 \text{ Euro}$$

$$\text{Ug.sh. } 1 = \frac{1}{4050} \text{ Euro}$$

$$\text{Ug.sh. } 243000 = \frac{1}{4050} \times 243000 \text{ Euros}$$

$$\text{Ug.sh. } 243000 = 60 \text{ Euros}$$

- b) Ndibizi came from Rwanda with 105,000 Rwandese francs and exchanged them for US dollars. How many US dollars did he get from the bank?

Rwandese francs to Ug.sh.

Rwandese francs to Ug.sh.

$$1 \text{ Rwandese franc} = \text{Ug.sh. } 5$$

$$105000 \text{ Rwandese franc} = \text{Ug.sh. } 5 \times 105000 \\ = \text{Ug.sh. } 525000$$

Ug.sh. to US dollars

$$\text{Ug.sh. } 3750 = \$ 1$$

$$\text{Ug.sh. } 1 = \$ \frac{1}{3750}$$

$$\text{Ug.sh. } 525000 = \$ \frac{1}{3750} \times 525000$$

$$\text{Ug.sh. } 525000 = \$ 140$$

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Related problem

The table below shows how different crops are bought and sold by the business woman. Use it to answer questions that follow.

Crop	Buying	Selling
1kg of maize	sh. 1000	sh. 1250
1kg of beans	sh. 2500	sh. 3050
1kg of millet	sh. 2750	sh. 3000

- a) David bought 750kg of beans from the business woman, how much money did he pay?
- 1kg costs sh. 3050
 750kg cost sh. 3050×750
 750kg cost sh. 2287500
- b) A boy took 16kg of millet to the business woman. How much money was he given?
- 1kg costs sh. 2750
 16kg cost sh. 2750×16
 16kg cost sh. 44000
- c) Mzee Kalali has 50kg of millet, he wants to exchange them for maize, how many kilograms of maize will he get?

Cost of 50kg of millet

1kg costs sh. 2750
 50kg cost sh. 2750×50
 50kg cost sh. 137500

Mass of maize

sh. 1250 buy 1kg
 sh. 1 buys $\frac{1}{250}$ kg
 sh. 137500 buy $(\frac{1}{250} \times 137500)$ kg
 sh. 137500 by 110kg.
 He will get 110kg.

Exercise

- The exchange rate for united states dollars (US \$) to Uganda shillings is 1US dollar = Ug.sh. 3650. Convert 120 Us dollars into Uganda shillings.
- Convert 40 pound sterlings to Uganda shillings given that 1 pound sterling (£) = Ugsh. 4250.
- Biden had 86 Euros. How much was it in Uganda shillings if Ug.sh. 4050 buys 1 Euro?
- Magufuli left Tanzania with T.sh. 30,000. How much money in Uganda shillings did he get if T.sh 1 = Ug.sh. 1.5.
- Gashumba has Ug.sh. 480,000/=. How many Rwandese francs will he get from the forex bureau if Ug.sh.1 = $\frac{1}{6}$ Rwandese francs?
- The exchange rate for United states dollar to Uganda shillings is 1Us\$ = Ug.sh. 3800. How many united states dollars can one get with Ug.sh. 456,000?

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7. Ruto exchanged Ug.sh. 144000 for Kenya shillings (K.sh). How much money in Kenya shillings did he get if K.sh. 1 = Ug.sh. 36.
8. The cost of buying 300 Kenya shillings (K.sh) is 12,000 Uganda shillings (Ug.sh.)
 - a) Find the exchange rate for Kenya shillings to Uganda shillings.
 - b) Convert K.sh. 15000 into Uganda shillings.
 - c) How many Kenya shillings can Ug.sh. 810,000 buy?
9. Given that the exchange rate of United states dollars (Us\$) to Uganda shillings (ug.sh) is 1 Us\$ to ug.sh. 3600 and that the exchange rate of Kenya shillings to Uganda 3600 and that the exchange rate of Kenya shillings to Uganda shillings K.sh.1 to Ug.sh. 46. How much money in Uganda shillings do I have in total if I have Us\$ 65 and K.sh. 7500?
10. 1 US dollar (\$) costs Ug.sh. 3600 and 1 pound sterling (£) costs Ug.sh. 4500. How much is the cost of 50Us dollars in pound sterling?
11. The exchange rates in a commercial bank are as follows;
1 British pound sterling (£) = Ug.sh. 4600
1 Kenya shilling (K.sh) = Ug.sh 40
1 Us dollar (\$) = Ug.sh. 3500
 - a) Convert 3,680,000 British pound sterling into Uganda shillings.
 - b) If a computer costs 120 Us dollars, find the equivalent cost of the computer in Kenya shillings.
12. A tourist had Us \$ 160 which he wanted to change into Kenya shillings in a bank in Uganda. If the exchange rates in the bank were;
US \$ 1 = Ug.sh. 3950
K.sh. 1 = Ug.sh. 40
Find the amount of money in Kenya shillings the tourist got from the bank.
13. Agatha went to a market with Ug.sh. 57,000 and bought the following items.
3 bars of soap at K.sh. 100 each.
2kg of beans at sh. 200.
 $2\frac{1}{4}$ kg of meat at sh. 420 a kg.
 - a) Find Agatha's total expenditure in Uganda shillings if K.sh.1 = Ug.sh 38.
 - b) Find her change in Kenya shillings.
14. The exchange rate for Kenya shillings (K.sh) to Uganda shillings (Ug.sh) and United states dollars (Us \$) to Uganda shillings are shown below.
K.sh. 1 = Ug.sh. 30.
US \$. 1 = Ug.sh. 3650.
 - a) How many United states dollars will one get from K.sh. 73,000.
 - b) If the cost of a new radio is 20 Us dollars, how much would this be in Uganda shillings?

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15. The exchange rates in the bank are as follows;

K.sh. 1 = Ug.sh. 38
 US \$. 1 = Ug.sh. 3680
 £ 1 = Ug.sh. 4060.

- a) A trader had 50 British pound sterling (£) and some US dollars (US \$) which he exchanged and got Ug.sh. 755,000 altogether. How many US dollars did the trader have?
- b) A set of chairs cost K.sh. 20300. Find the equivalent cost of the set of chairs in British pound sterling.
16. The exchange rate of United states dollars (\$) to Uganda shillings is US \$ 1 to Ug.sh. 3900. A trader exchanged 90 United states dollars for 9750 Kenya shillings.
- a) Find the exchange rate of Kenya shillings to Uganda shillings.
- b) Kenti has K.sh. 9500. How much is it in Uganda shillings?
17. The rates at which the bank buys and sells United states dollars (US \$) and Kenya shillings (K.sh) are shown in the table below.

Currency	Buying rate	Selling rate
1 US dollar (US \$)	Ug.sh. 3400	Ug.sh. 3550
1 Kenya shillings (K.sh.)	Ug.sh. 38	Ug.sh. 40

- a) A tourist had 500 United states dollars and K.sh. 7500. How much money in Uganda shillings did he get from the bank?
- b) Convert Ug.sh. 284,000 into United states dollars.
- c) A trader had US \$ 170. He exchange them for Kenya shillings, how much money in Kenya shillings did he get?
18. The rates at which a bank buys and sells United states dollars (US \$) and Tanzania shillings (T.sh) are show in the table below.

Currency	Rate at which a bank buys	Rate at which a bank sells
1 US dollar (\$)	Ug.sh. 3950	Ug.sh. 4000
Tanzania shilling (T.sh)	Ug.sh. 1.4	Ug.sh. 1.6

- a) If Jonathan has Ug.sh. 70,000, how much in Tanzania shillings will he get from the bank?
- b) A 50kg sack of maize flour costs T.sh. 100,000. Find its equivalent cost in US dollars.
19. The rates at which the Forex bureau buys and sells different currencies are given in the table below. Use it to answer questions that follow.

Currency	Buying rate	Selling rate
1 US dollar (\$)	Ug.sh. 3700	Ug.sh. 3800
1 Pound sterling (£)	Ug.sh. 4800	Ug.sh. 5000
1 Kenya shillings (K.sh)	Ug.sh. 3600	Ug.sh. 39.0

- a) If Mr. Musiitwa has \$ 360 and £ 850, How much money in Uganda shillings will he get from the forex bureau?

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- b) Given that Hallen has £1950, how much money in Kenya shillings can he get from the forex bureau?

20. The table below shows how the bank buys and sells different currencies in Uganda shillings. Use it to answer questions that follow.

Currency	Buying in Ug.sh.	Selling in Ug.sh.
1 US dollar (US \$)	3600	3750
1 British pound sterling (£)	4080	4150
1 Kenya shillings(K.sh)	40	42

- a) The cost of a generator is US \$ 83. Find the equivalent cost of the generator in British pound sterling.
- b) A trader had 5000 Uganda shilling notes numbered consecutively from AT 3999976 to AT 4000101. How much money in Kenya shillings did the trader get from the bank?

21. The table below shows how a trader buys and sells different types of crops in his shop. Use it to answer questions that follow.

Crop	Buying rate	Selling rate
1kg of maize	Sh.1200	Sh. 1250
1kg of beans	Sh. 3500	Sh. 3750
1kg of sorghum	Sh. 1750	Sh. 1750

- a) Jacob sold 80kg of sorghum to the trader, how much money did he get?
- b) A farmer had 25kg of beans and 85kg of maize. How much money did the farmer get after selling all the maize and beans to the trader?
- c) A school bought 840 kilograms of beans from the trader, how much money did the school spend on beans?
- d) Henry took 125kg of maize to the trader's shop. He wanted to exchange them for beans. Find in kilograms, the mass of beans he got from the shop.

22. The table below shows how a business woman buys and sells sheep and goats in the market. Use it to answer questions that follow.

Animal	Buying in sh.	Selling in sh.
1 goat	125,000	150,000
1 sheep	90,000	120,000

- a) How much money will the business woman pay for 3 goats and 4 sheep?
- b) Sandra bought 7 goats from the business woman, how much money did she pay?
- c) I have sh. 1,080,000. How many sheep will I buy from the business woman?
- d) A farmer has a farm of goats. How many goats will he exchange for 5 sheep?

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23. The table below shows how different types of crops are bought and sold on a certain village store. Use it to answer questions that follow.

Type of crop	Buying	Selling
1kg of coffee	sh. 3550	sh. 3600
1kg of maize	sh. 850	sh. 870
1kg of beans	sh. 1250	sh. 1300

- One day, the store keeper made a profit of sh. 39,000 on beans. Find in kilograms the mass of beans sold.
 - Wasswa had 174 kilograms of coffee. He exchanged them for maize. The maize was packed in sacks which hold 142kg each. How many full sacks of maize did he get?
 - Maria sold 240 kilograms of coffee to the store, how much money did she get?
24. A bank bought and sold different currencies to make profit as shown in the table below.

Currency	Buying rate in Ug.sh	Profit in Ug.sh.
1 US dollar (US \$)	3600	50
1 Euro (€)	4,000	20
1 Tanzania shillings (T.sh)	1.5	0.3

- How many Euros did Samson get for Ug.sh. 603,000?
 - Nyerere came from Tanzania with T.sh 146,000 and exchanged them for United states dollars. How many US dollars did he get from the bank?
 - Use the table above to convert 90 Euros into Tanzania shillings.
25. Okello went to the market and bought the following items.
- 3 litres of milk at K.sh. 60 per litre
 - 250 grammes of salt at K.sh. 50 per kg
 - 18 oranges at K.sh. 37.5 for every 6 oranges

Given that 1 US dollar (\$) = K.sh. 90 and 1 US dollar = Ug.sh. 3600

- Calculate in Kenya shillings, the total cost of the items.
 - Okello paid K.sh. 300 for the items. What discount was he given in Uganda shillings (Ug.sh.)
26. A trader went to a forex bureau with a bundle of 2,000 shilling notes numbered consecutively from BT 6048941 to BT 6049015. He exchanged the total amount he had in Kenya shillings. The exchange rates were as follows:
- 1 US dollar = K.sh. 85
 - 1 US dollar = Ug.sh. 3750

How much money did he get?