**DEPARTMENT OF MATHEMATICS**

**mathematics package -2013**

CLASS ; SENIOR ONE

**INSTRUCTIONS :**

**Try out all numbers.**

1. Add 35607, 303290 and 3241917. Hence write your answer in

Words.

2. Round off 4827627932 to the nearest

(i) thousands

(ii) million

3. (i) Express 630 as a product of prime factors

(ii) What is the product of 16 and 64 in power form?

4. Given the numbers 36, 45 and 60. Find the

1. Lowest common multiple (LCM)
2. Highest common factor (HCF)

5. Arrange the following fractions 1/6, 3/4. 5/8 and 7/12 in descending order.

6. (i) Convert 1100100two to base ten

(ii) Find the sum of 2022three and 102three

7. Four tanks are capable of holding 24, 56, 72 and 120 litres

respectively. What is the capacity of the largest tank (HCD) which

can be used fill each one of them exactly?

8. A lorry driver carried 784 bags of maize in 8 trips carrying the same

number of bags each time. If a bag of maize weighed 90kg, what

load of maize did he carry in one trip?

9. A school organized a party at a recreation ground a distance away

and had to travel by bus. If the party was attended by 8 teachers

and 345 students all traveling by bus, find the total cost for the bus

fare provided each teacher was charged sh. 2500 aid each student

sh. 5000.

10. A poultry farmer has 370 layers she spends sh.161,000 and buys

some more chicks, paying sh.700 for each one.

(i) How many chicks does she obtain from the expenditure?

(ii) How many layers will she have altogether on her farm assume

every chick grows up?

11. (a) A casual worker is paid at a rate of sh. 15,000 per day. How

much does he earn in

1. 2 weeks?
2. 6 months? (1 month = 30 days)

12. At a schools' parade, there were 50 rows of pupils, 80 pupils stood

in each row.

a) If there were 1600 girls at this parade.

1. How many boys were there?
2. Find the simplest ratio of boys to girls.

b) Determine how much it costs to label all the pupils uniforms if

each dress and trouser is labeled for 100/= and 50/=

respectively, assume each child has a pair of uniform.

1. Simplify 3 ½ + 1 ¾

2 ¾ - 1 ½

1. Solve for x in 3(2x + 4) = 30
2. Work out; (a) 1435seven + 5546seven

(b) 6435seven – 5546seven

1. convert 123four to base three
2. Find the; (a) LCM of 24, 36, and 120

(b) HCF of 21, 36 and 48

1. Arrange the following fractions in order starting with the smallest

4/6, 1/3, 7/8, 3 ¾ , ½ , 3/8

1. Write down the next three terms in each of the given sequences below.
2. 2, 3, 1, 4, 0, ----, ----, ----
3. 1, 4, 20, 120, ----, ----, ----
4. (a) State 784 as a product of prime factors

(b) Hence workout its square root by prime factorization.

1. There are too members in the school. 2/5 of them are boys, 1/8 are teachers and the rest are girls. How many girls are there in the school?
2. (a) Kayizi got 18 out of 45 marks in a mathematics test. Express his mark as a percentage score.

(b) Find the value of y in shillings 3/18 of y/= = 420.

1. In a class, 17 students do Fine Art, 15 do agriculture and 6 do agriculture only. There are 10 students who do not do any of the two subjects above.
2. Find the number of students who do (i) both Fine Art and Agriculture.

(ii) Fine Art only

1. How many students are there altogether in the class.
2. Given the sets

A = {even numbers less than 10}

B = {natural numbers between 1 and 10}

C = {Prime numbers less than 11}

1. List down all the elements in set
2. A
3. B
4. C
5. Find;
6. AnB
7. AUB
8. AnBnC
9. AUBUC
10. What is;
11. n(AnB)?
12. n(AnBnC)?
13. n(AUBUC)?
14. Simplify;
15. 1/3 of 1 2/3 (3 1/3 – 2/5 of 4 1/3 ) + 4/7
16. 1/3x + 2y – 3x – ½ y
17. Given sets A = {prime numbers less than 30}

B = {Factors of 30 less than 30}

(a) Draw a venn-diagram to represent the information.

(b) Using the venn diagram find

(i) ∩ (A∩B)

(ii) ∩ (A∩B')

1. (a) Plot the points A(0,0) B(1,2), C(-2,-4) and D(4,8)

(b) Join the points to form a straight line.

(c) Give 3 other coordinates that lie on the straight line.

1. In the triangle ABC below AC = BC <BCD = 130o
2. What special name is given to triangle ABC.
3. Determine the angles lettered a,b,c and d.
4. Mr.Muwanika had shs.900,000. he gave a third of it to his mother and used a half of the remaining to buy a suit.
   1. How much was given to the mother?
   2. How much did he remain with?
   3. What fraction of the money was used altogether?
5. Use a number line to solve the following.
   1. -1 + 2
   2. -2 – 3
   3. -4 + 10
6. Think of a number, multiply by 3 and add 6, the result is 4 times the number. Find the number.
7. (a) Calculate the L.C.M and H.C.F of 28, 35 and 70.

(b) By prime factorizing find the square roots of the following numbers.

(i) 36

(ii) 196

(iii) 625

1. (a) Workout
   1. 7351eight - 4126eight
   2. 5046seven  + 1436seven

(b) Given that 24eight + 32five = 101n find n

(c) Change 1110two to base eight.

1. Find the sum of 3.65,899 and 14.2 without using a calculator.
2. Find the highest common factor of 10, 18, and 24
3. Given a set x:x:N<15, where B are batural numbers and x : x: P < 15 were p are prime numbers. Draw a venn diagram to represent (NnP) as a shaded region. Hence find n(NnP).
4. Given a sequence 2, 6, 18, 54,……. What are the next four terms in the sequence. Hence determine the general rule for the next terms?
5. Determine the value of Z in the ratio if 3:2 = 96:Z hence what fraction of Z is obtained
6. a poultry farmer opens a bag of chicken mass and uses 0.35 of the total mass. if the bag initially contained 240kg of mash. Find how many kilograms were left in the bag.
7. What is ¼ of shsv3600. hence increase the obtained amount by 20% and state the result.
8. The area of a circular plate is 15400cm2. Determine it radius and diameters of the plate given π = 22/7
9. If a = -2, b = -4 and c = 6 by substitution. Find the value of ab + bc

A + 2b

1. How many US dollars can a business man get from U sh 330,000 if the current exchange rate in a certain forex bureau is (1 US $ - Ushs 1650).
2. (a) Using a pair of compasses and ruler only, construct the following angles
3. 1050
4. 2400

(b) The bearing of Masindi from Kampala is 3000. what is the bearing of Kampala from masindi?

(c)

In the figure above determine the interior angle xo and exterior angle y0

END.

**“Work harder for better results”**

**Good luck.**

1. The table below is for the equation y = 3x + 4 for values of x ranging from -3 to +3.
2. (i) Copy and complete the table

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| X | -3 | -2 | -2 | 0 | 1 | 2 | 3 |
| 3X | -9 |  | -3 | 0 |  |  |  |
| 4 |  |  |  | 4 |  |  | 4 |
| Y | -5 | -2 | 1 | 7 |  | 10 |  |

1. State all the coordinates (x, y) from the table above
2. (i) Use the coordinates in a (i) to plot a graph y =3x + 4.

(ii) Hence determine the y- intocept of the line obtained in b(i).

1. From the graph, find the gradient of the line.
2. Find the sum of 3.65,899 and 14.2 without using a calculator.
3. Find the highest common factor of 10, 18, and 24
4. Given a set x:x:N<15, where B are batural numbers and x : x: P < 15 were p are prime numbers. Draw a venn diagram to represent (NnP) as a shaded region. Hence find n(NnP).
5. Given a sequence 2, 6, 18, 54,……. What are the next four terms in the sequence. Hence determine the general rule for the next terms?
6. Determine the value of Z in the ratio if 3:2 = 96:Z hence what fraction of Z is obtained
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1. How many US dollars can a business man get from U sh 330,000 if the current exchange rate in a certain forex bureau is (1 US $ - Ushs 1650)

Section B

1. (a) Using a pair of compasses and ruler only, construct the following angles
2. 1050
3. 2400

(b) The bearing of Masindi from Kampala is 3000. what is the bearing of Kampala from masindi?

(c)

In the figure above determine the interior angle xo and exterior angle y0

1. The table below shows the variation of the number of bars of soap with the cost in Uganda shillings.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No of bars of soap | 2 | 6 | 9 | P |
| Cost (in Ush) | 2400 | S | 10800 | 14400 |

1. Determine the cost of 1 bar of soap.
2. From the table above, find the value of
3. S
4. P
5. How many bars of soap would a retailer get from Uganda shillings 24,000?
6. If the retails is to trade a full box of soap which contains 2 dozens bar of soap. How much would he pay to the wholesaler?
7. The table below is for the equation y = 3x + 4 for values of x ranging from -3 to +3.
8. (i) Copy and complete the table

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| X | -3 | -2 | -2 | 0 | 1 | 2 | 3 |
| 3X | -9 |  | -3 | 0 |  |  |  |
| 4 |  |  |  | 4 |  |  | 4 |
| Y | -5 | -2 | 1 | 7 |  | 10 |  |

1. State all the coordinates (x, y) from the table above
2. (i) Use the coordinates in a (i) to plot a graph y =3x + 4.

(ii) Hence determine the y- intercept of the line obtained in b(i).

1. From the graph, find the gradient of the line.
2. Evaluate

3 1/2 - 1 5/6 + 3/11)

8/11

1. Prime factorise the following
2. 36
3. 96

1. Find the L.C.M and H.C.F of the following numbers 48, 30, 90.
2. Solve for x and y in the following.

(i) 2 1/3 = y/6

(ii) 3/2 = 12/x

1. 2/5 of a class are boys, if the class contains 35 students, find
   1. The number of boys in class
   2. The number of girls in class
2. (a) Find the next number in the sequency.

1, 3, 6, 10, ----, -----, \_\_\_\_ , \_\_\_\_\_

1. Given that set A is aset of all prime numbers between 0 and 20 and B is aset of odd numbers between 0 and 15. find
   1. n(AnB)
   2. n(AUB)
2. Convert 128 eight to base two.
3. Solve for P

2p + 1 = 4 – p

1. Find the value of P and w.
2. (a) In Enwaku's herd of 100 mixed black and white cattle, 65 have Black(B) markings on them and 45 have white markings on them. Represent the information on the venn diagram and use it to find the cattle with
   1. Both white and black markings
   2. White markings only
   3. Black markings only.

(b) Given the points A,B,C and D as A(0,3) B(4,3), C(4,1) and D(0,1). Plot them on the graph paper and name the figure obtained.

1. Evaluate the following
2. 7 8 e 8 4 mine

+ 1 2 4 7 8 mine

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 5.63 mine - 2.84 mine.

(c) 3 2 4six

+ 1 2 5six

(d) Solve for n from

24eight  + 32five  = 52n

1. (a) Arrange 1/2, 2/3, 5/7, 8/21 in ascending order.

(b) State whether the signs > or < is appropriate in the following fractions.

(i) 5/6  7/8 (ii) 2/3 1/7.

1. I think of a number, add 3 to it and divide the result by two, I get 6 as the result. What is the number?
2. Given the following data below.

1, 2, 3, 1, 2, 4, 5, 3, 6, 3. Find the

* + 1. Mean
    2. Mode
    3. Median
    4. Range

1. Given that x = - ½ , y =3 and z = 4. Evaluate (zy)2

x

2. Solve for x

3x – 4 = 6 + x

3. If A = {odd number below 24}

B = {3, 4, 5, 6, 7}. List the members of A.

Find (i) AnB

(ii) AUB

(iii) n(AnB)

4. List down the next two terms of this sequence.

1. 1, 8, 27, 64, 125, -----, -----,
2. 1, 3, 9, 27, 81, 243, -----, -----,

5. Find the value of n

1. 121 = 11n
2. 216 = 6n

6. Simply the following expressions

(a) 4u - 3v - u + 7v

(b) 3a - 12 + 4 + 6a

7 Work out the square roots of the following numbers

(a) 81

(b) 144

8. Work out:

(a) ½ + 1/8 + ¼

(b) 233eight + 177eight

9. Arrange the following fractions in ascending order.

1/3 , 2/5 ,3/10 ,4/15

10. Work out:

(a) -3 x 2 x -4

(b) (-1)2 x (-2)3

4

11. (a) Convert 112three to base four.

(b) Subtract 355six  from 500six

(c) Determine the supplementary angle of 72.60

(d) Solve for n, given that 204n =76ten

12. Out of 3 2 pupil interviewed, 10 pupils had been to both Didi’s world and Kiwatule

recreation center.16 pupils have been to Kiwatule while 22 pupils have been to

Didi’’s world. Taking the number of pupils who have never been of those two places as x:

(a) Draw a Venn diagram to the information.

(b) Finds the value of x

(c) How many pupils had been to?

(i) Didi’s world only

(ii) Kiwatule recreation center only

(d) Determine the fraction for the number of pupils who had been to both places.

13. (a) After covering 2/3 of my journey, Am left with 24KM. How long is the journey?

(b) 3/5 of the pupils in a school are boys. If there are 96 girls in the school, how many

boys are more than girls?

14. Plot the following points on a graph paper A(-3, 0), B(-2, 3), C(3,3) and D(5,0).

(a) What special name is given to the figure obtained?

(b) Find the area of the figure obtained.

1. Find the sum of 0.98cm, 11.5cm and 4.02cm and hence give your answers in metres.

2. Workout the following bases

1. 1517 eight + 37 eight
2. 204six – 45six

3. Add (+12) + (-8) + (-4) and display the result on a number line.

4. Given the numbers 20, 36, 48, and 144. find the

(i) LCM of 20, 36, and 48

(ii) HCM 36, 48, 144.

5. (a) Work out the square roots of

1. 169
2. 625

(b) Hence find what is the difference of their roots

6. Arrange the fractions 8/12, 10/18 and 16/24 in ascending order

7. (a) What is 1/12 of 84,000/=

(b) On a certain farm of 36 hectares, 1/3 of the law is used for

grazing cattle and the rest for cultivation. How many hectors are

reserved for cultivation?

8. Kouroma divides a number by 8 gets the correct answer of 23 remained 7. what is the remainder if he divides the same number by 7?

9. (a) Convert 1506seven into base two.

(b) Divide 1324eight by 4

10. (a) Change the recurring decimal 0.135135… to a fraction.

(b) write 19/990 as a decimal fraction

11. Given set p consist of all odd numbers between 1 and 15 set R constist of all multiples of 3 not exceeding 18.

1. List all the members in set p and set R.
2. Draw a venn diagram to display the above information.
3. Find (i) n(£)

(ii) n(P n R)

1. Show that n(PuR) = n(P) + n® - n(PnR).

12. A triangle PQR has point coordinates P(-3,-2) Q(3,-2) and R(3,8).

1. Plot the coordinates of PQR and join to form in shape
2. Find the length of (i) PQ

(ii) QR

1. Calculate the length of side PR using Pythagoras
2. Determine (i) the perimeter of the shape

(ii) the area of the shape formed.

1. Given set **A**= {0,2,4,6,8} and **B** = 1,3,5,9}

(a) Find (i) (AUB) (ii) n(AnB)

(b) Represent set **A** and **B** in a venn diagram.

1. (a) Write the figure 5005500 in words.

(b) Write in figures as given in words below

‘Two hundred two thousand two?

1. (a) Multiply without use of calculators.

1002 x 2007 years.

(b) Workout the product of 25km and 155m, give your answer in meters.

1. (a) Find the LCM of 10,30 and 45.

(b) Find the HCF of 16 and 21

1. (a) Workout the numbers –10 + -3 + 2

(b) Hence represent the above on a number line.

1. (a) A student divided a number by 8 and gets the correct answer of 23

remainder 7. What is the number?

(b) Hence if 1 divided the number by 7 what is the result?

1. (a) Convert 144ten to base six.

(b) Find the sum of 213 and 132 in base four.

1. (a) Substract 2 1/3 from 5 ¾ .

(b) Hence find the decimal fraction for above in 8(a).

1. (a) What is 3 ¼ of 180km.

(b) Divide 3 1/5 by 2 2/5

1. (a) Arrange the fractions 2/3 , 7/9, 1/6 and 5/12 in ascending order.

(b) Hence workout the decimal fraction in 10(a) above.

1. (a)(i) Multiply: 222three by 11three

(ii) Divide: 1567eight by 7

(b) Convert 522nine into base eight.

1. Use a pair of compasses and ruler only to construct the following angles
   1. 60o
   2. 105o
2. Find the L.C.M and H.C.F of 6, 12 and 18 (4mks)
3. Workout: ½ of 2/3 – 1/12 + ¼ (4mks)
4. If A = {set of prime numbers less than 10}

B = { set of the first five odd numbers}

(a) Write down the members of set A and those of set B.

(b) Find:

1. AUB
2. A1nB (4mks)

4. Convert 1101two  to Base five (4mks)

5. If x = 2, y = 1 and Z = -1

Find

(i) xy - z (2mks)

(ii) y/x + Z (2mks)

6. Workout:

(a) –1 + 3 – 6 (2mks)

(b) -3x – 4 (2mks)

-2

7. Write down the next two numbers in the following sequences.

(a) 2, 3, 5, 7, 11, -----, ------ (2mks)

(b) 1, 8, 27, -----, ------ (2mks)

8. Solve for x: 22x = 16 (4mks)

9. Simplify:

(a) 32  x 34 x 3 (2mks)

(b) 24 ÷ 22 ÷ 2-3 (2mks)

10. (a) I have to walk to school everyday. So does my friend, but she lives 3km

nearer to the school than l do. Write down an algebraic expression for the

distance she has to walk, if I walk x km. (2mks)

(b) Simplify: 4x – 7 – 6x + 3 (2mks)

11. A survey of 30 pupils reveals that 12 pupils play football, 15 pupils play

Tennis and t play both Tennis and football. 4 pupils play neither Tennis nor

football. Draw a Venn diagram to show this information and use it to

calculate t. How may pupils:

1. Play foot ball only?
2. Play tennis only?
3. Play only one game?
4. Do not play tennis?

12. (a) Copy and complete the following table of values for the equation

y = 3x + 4 for values of x from x = -3 to +1. then plot the points on a graph

paper and draw the straight line. State the co-ordinates of the y -

intercept and the x – intercept

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| x | -3 | -3 | -1 | 0 | 1 |
| 3x | -9 |  |  |  |  |
| 4 | 4 |  |  |  |  |
| y | -5 |  |  |  |  |

(b) Draw the lines y = 3 and x = 2 on the same graph paper. State the

co-ordinates where the two lines intersect. (4mks)

13. (a) The following table shows the age of a woman and her daughter.

|  |  |  |  |
| --- | --- | --- | --- |
| Age of woman | 25 | 35 | 45 |
| Age of daughter | 7 | 17 | 27 |

1. What is the rule for finding the age of the daughter from the age of her mother?
2. When the mother is 52, how old will her daughter be?
3. When the daughter is 26, how old will her mother be?
4. How old was the mother when her daughter was born?

(b) The table shows the values of number E and number F.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number E | 2 | 4 | 6 | 8 |
| Number F | 11 | 21 | 31 | 41 |

1. What is the rule for finding number F from number E?
2. When number E is 16, what is number F?
3. When number F is 61, what is number E?
4. When number E is -1. what is number F?

(5mks)

14. (a) Given that QR is parallel to ST, find x

Q 2x0 4x0  R

a b

c d

e f T

Find also a, b, c, d, e and f in degrees.(6mks)

(b) Use a pair of compasses and a ruler only to construct an angle of 22 ½ 0.

1. Evaluate

1 + 3 - 3

4 4 4

1 + 1

3 2

1. Divide shs 96000 between Juma, Jumba and Jemba in the ratio 2:7:3 respectively.
2. Given that;

A = {all factors of 36}

B = {prime numbers between 1 and 20}

(i) State the members of each set.

(ii) Find n(AnB)

1. Arrange the following in order of size

11102three, 1403five, 87nine, 234six

1. Given that k = - 3, m = 1 and n = - 4

Evaluate kn + m

2n – 3k – 2

1. Find the LCM and HCF of 36, 54 and 96
2. Find the next two terms of the sequence

1, 3, 6, 10, 15, 21, …….., …………….

1. If 5 is added to a certain number, the result is the same as if 45 subtracted from three times the number. Find the number.
2. Round off to two decimal places
3. 59.706km
4. 3.1458kg.
5. In a bank, £1 = Ugshs. 3,200 and £1 = $ 1.5. Agnes exchanged $12. How much money did she get in Uganda shilling?
6. In a class of 65 students, there are 25 students who like English (E), 35 students like maths (M). The number of students who like both English and mathematics is x. the number of students who like none of the two subjects is 2x.
   1. Draw a venn diagram to represent the information above.
   2. Find the number of students who like both English and mathematics.
7. Three bells **p, q** and **m** are sounded at regular time intervals. Bell **p** is sounded after every **15** minutes, bell **q** is sounded after every **25** minutes and bell **m** is sounded after every **30** minutes.

If the first bell **p** is sounded at **9:00am**. Find the time when the three bells

will be sounded at once.

1. Using a ruler and a pair of compasses only construct a triangle ABC in which angle **ABC** is **1050**, **AB** = **6.5cm** and **BC** = **8cm**. Measure length **AC** and angle **BAC.**
2. (a) Write the following numbers in base ten
3. 2014eight

(ii) 1012four

(b) Convert into base nine

(i) 131four (ii) 1012six (iii) 1111two.

1. On his death, a man left shs. 600,000 for his three sons: **Bob**, **Boy** and **Baby**. **Bob** was to get **2/3** of the money, **Boy** was to get **3/4** of the remainder and **Baby** could get the rest. Find the amount of money each of them got.

1.(a) Fin the L.C.M of 6, 8 and 24 (2mks)

(b) Find the Highest Common Factor (**H.C.F**) of 12 and 18. (2mks)

2. If x = 3, y = 4 and z = 8, find the value of xy + yx

x + 2y (4mks)

3. Given that A = {all odd numbers less than 15}

B = {all prime numbers less than 15}

1. list down all the members of A and B
2. find A n B
3. find n(AnB) (4mks)

4. (a) Find the sum of 776eight and 555eight (2mks)

(b) Subtract 333four from 1223four (2mks)

5. Arrange the following fractions in descending order; 1/3, 4/5, ½ , 2/3 and

7/8. (4mks)

6. A circle has its circumference as 44cm. find the area of the same circle.

(use π = 22/7) (4mks)

7. Rehema, Babra and Hadjah shared 72,000/= in the ratio 3:4:5. find how

much each gets. (4mks)

8. (a) Round off these numbers to one decimal place.

(i) 12.56

(ii) 8.96

(b) Express these numbers to two significant figures

(i) 77.8828

(ii) 786 (4mks)

9. Find the value of the angles represented by letters. (4mks)

10. Given the equation of a straight line y = 2x – 7. Copy and complete the following table of that line.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| x | -2 | -1 | 0 | 1 | 2 |
| 2x | -4 | -2 | 0 | ------- | -------- |
| -7 | -7 | -7 | -7 | -7 | -7 |
| y | -11 | --------- | ---------- | -5 | -3 |

(4mks)

11. An aeroplane flies from Entebbe (E) for 400km to Kigali (K) on a bearing of

1200, then for 300km to Dodoma (D) on a bearing of 0800. Finally it flies for

160km to Bujumbira (B) on a bearing of 3200.

* 1. Find the total distance traveled by the plane
  2. Use a scale of 1cm to represent 50km, to draw an accurate diagram showing the route of the plane.
  3. Find the shortest distance and bearing of Entebbe from Bujumbira. (10mks)

12. using a pair of compasses and a ruler only, construct triangle ABC such that

angle A = 600, angle B = 450 and AB = 6cm.

1. measure AC and BC
2. circumscribe triangle ABC and measure the radius of the circumscribing circle. (10mks)

13. Given points A(0,0), B(6,0), C(6,4) and D(0,8).

1. Plot these points on a graph paper and join them with straight lines to form a polygon
2. Name the polygon formed
3. Find the area of the polygon
4. State the equation of a line that passes through A and D
5. State the equation of a line that passes through B and C. (10mks)

14. (a) I have shs 180,000/= and I am to give my mother a third of it. My sister

has shs 200,000 and gives my father a quarter of it.

1. How much do I give my mother?

(ii) How much does my sister give my father?

(iii) How much do I have left?

1. How much does my sister have left?
2. How much does my mother get more than the father? (5mks)

(b) Musa bought a DVD player from London at 120 pound sterling (£), given that

1£ = 3,000 ug sh.

(i) Find the cost of the DVD in Uganda shillings.

(ii) If he then sold it to Lydia at 250 us dollars ($), how much did Lydia

pay for the DVD in Uganda shillings if 1$ = 1800 ug shs?

(iii) How much profit did Musa make for selling the DVD to Lydia? (5mks)

END.

**“Work harder for better results”**

**Good luck.**