**SECTION: A (40marks)**

1. Workout: 86 – 75

2. What is the product of the place value of 2 and the value of 4 in

2374?

3. Given that set K = Find the

number of proper subsets in set K.

4. Prime factorise 36 and give your answer in power form.

5. Express as a percentage.

6. 10 pencils cost sh. 7000, how much will 4 similar pencils cost?

7. What integer has been shown on the number line below?

M

-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8

8. The perimeter of a rectangle below is 42dm. if its width is 6dm.

Find its length.

6dm

9. In the figure below, workout the value of m in degrees.

2m + 22°

28°

10. Write in short form.

(7 x 10000) + (7 x 10) + (0 x 100) + (7 x )

11. Increase sh. 2000 in the ratio of 5:4.

12. In the space below, construct an angle of 45 using a ruler, a sharp

pencil and a pair of compasses.

13. A forty minute lesson ended at 9:50 a.m. At what time did it start?

14. Makwasi scored the following points while he was playing Dats:

70, 25, 40, 35, 50 and 60 respectively. Find Makwasi’s median

score.

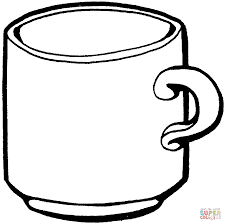
15. Find the value of 3p + 6q if p=4 and q=7

16. A cyclist moving at 60km/hr covered a certain distance in just 2½

hours. Find the distance he covered.

17. Express 2 dozens of pens as a ratio of 18 pens.

18.  of a number is 99. What is the number?



19. Given that represents 2 dozen cups. Draw pictures to

represent a gross of cups.

20. Find the missing numbers in the sequence below.

18, 27, 9, 3, \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_

**SECTION B (60 marks)**

21(a) Solve for P in the equation below. (**2marks**)

p + 4 = 8

(b) Kissa is 3times as old as Kityo. If the different between their age

is 40years. How old is each of them now? (**3marks**)

22(a) What is the biggest number that can be formed using digits:

2, 6, 3, 9 and 4? (**1mark**)

(b) What is the place value of the underlined digit?

834.65 (**1mark**)

(c) Round off 28.57 to the nearest tens. (**2marks**)

23(a) Workout  (**3marks**)

(b) Simplify: x ÷ (**2marks**)

24. In a club of 60 members, 35 eat fish (F) ,33 eat cassava (C) and

y eat both Fish and Cassava while 5 eat neither of the dishes.

(a) Complete the Venn diagram below.

n(∑) = 60 (**2marks**)

n(F)=35 n(C)=33

(b) Find the value of y (**2marks**)

(c) What is the probability of picking at random a member who

does not eat fish? (**2marks**)

25. Using a sharp pencil, a ruler and a pair of compasses only,

construct a square of side 5cm. (**4marks**)

26. Three teachers male, Matte and Matata shared 1200 exercise

books in the ratio of 2:5:3 respectively.

(a) How many books did each get? (**3marks**)

(b) Express Matte’s share as a percentage of the total. (**2marks**)

27. Nalugwa went shopping and bought the following items.

2kg of sugar at sh. 3800 per kg.

1 ½ kgs of meat at sh. 10,000@

3litres of milk at sh. 7500

2 loaves of bread at sh. 4500 each.

(a) Calculate her total expenditure. (**4marks**)

(b) If aunt Namatovu gave her sh. 50,000, how much did she take

home as change? (**2marks**)

28. Study the figure below and answer the questions that follow. The

volume of the cuboid is 240cm3.

4cm

W

10cm

(a) Find the value of W. (**2marks**)

(b) Calculate the total surface area (T.S.A) of the above figure.

(**3marks)**

29. A gate way bus left Kampala for Bushenyi at 6.45 a.m. and

reached Bushenyi at 10: 30 a.m. travelling at a speed of 60kph.

(a) How long does the bus take to travel from Kampala to

Bushenyi? (**2marks**)

(b) Calculate the total distance covered from Kampala to Bushenyi.

(**3marks**)

30. The circle graph below shows how Mama Sam spends her monthly

salary of sh. 144,000. Use it to answer the questions that follow.

Clothings

K

Others

80°

Savings

(a) Find the value of K. (**2marks**)

(b) How much does she spend on clothing? (**2marks**)

(c) What fraction is spent on food? (**2marks**)

31. Kantinti scored the following marks in a series of Mathematics

tests.

70, 60, 40, 60, 80 and 50

(a) Workout the range. (**1mark**)

(b) Find her modal frequency. (**1mark**)

(c) Calculate the average mark. (**3marks**)

32. Workout the following using distributive property.

(a) (75 x 10) + (25 x 10) (**2marks**)

(b) (285 ÷ 3) – (45 ÷ 3) (**2marks**)