JANAN NURSERY AND PRIMARY SCHOOL – BOMBO
MID-TERM III EXAMINATION
PRIMARY FIVE
MATHEMATICS

Name: _____Stream:_____

Read the following instructions carefully.

1.   Do not open the booklet until you are told to do so.

2.   This paper has got **two** sections: **A** and **B**.

3.   Section **A** has **20** questions **(40marks)** and Section **B** has **12** questions

(60mks)

4.   Answer **ALL** questions. All answers to both sections **A** and **B MUST** be

       written in the spaces provided.

5.   **All** answers must be written using a **blue** or **black** ball point pen or **ink**.

       Diagrams should be drawn in pencil.

6.   **Un necessary** alteration of work may lead to loss of marks.

7.   Any handwriting that cannot be easily read may lead to loss of marks.

FOR EXAMINER'S USE ONLY

SECTION A		Total (%)
SECTION B		

1. Add: 20+17.

2. Write 0.07 in words.

3. Given that set B = {q, r, s}. How many subsets can be got from set B?

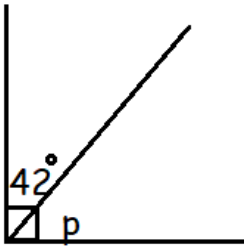4. Work out: $2\ 3\ 2_{five}$
   $\underline{+1\ 0\ 3_{five}}$

   $\underline{}$

5. What number has been expanded to give;
   $(4 \times 10^2) + (6 \times 10^1) + (2 \times 10^0)$?

6. Solve: $3p + 4 = 16$

7. In a box, there are 6 black pens and 4 green pens. What is the probability of picking a black pen at random?

8. In the figure below, find the value of P.

9. Find the value of P.
   4+3= p (mod 6)

10.   A driver moved at a speed of 20km/hr for 4 hours. Find the distance he covered.

11.   A trader bought a phone at sh. 65000 and sold it at sh.70,000. Find the traders profit.

12.   Calculate the diameter of a circle whose radius is 7cm.

13.   Given that $a = b = 4$. Find the value of 2b+3a.

14.   Write 195 in Roman numerals.

15.   What afternoon time is shown below?

16.   Find the sum of the next two numbers in the sequence.

2, 3, 5, 7, _____, _____
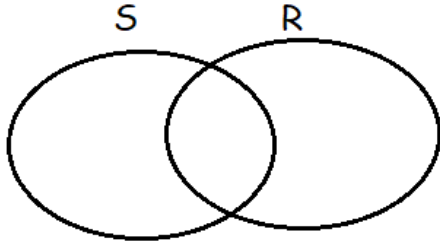
17.   Shade (PnQ)^I
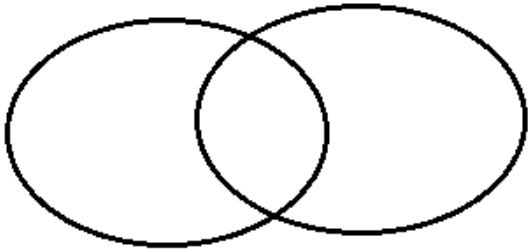
18.   Change 7km to m.

19.   Workout: $\frac{1}{4} + \frac{1}{3}$

20.   The cost of 3books is sh.12,000. Find the cost of 5 similar books.

SECTION B

21.   Given that set S={a, b, c, d, e, f, g} and

set R = {c, d, e, k, l}. Put the information on a Venn diagram.

(3mks)

S   R

(b) Find SnR.   (1 mark)

(c) Find n(SuR).   (2 marks)

22.   In a P.5 class of 60 pupils, $\frac{2}{5}$ play netball and the rest play football.

(a)   Find the fraction of pupils that play football.   (1mk)

(b)   How many pupils play Netball?   (2mks)

(c) How many more pupils play football than Netball? (2mks)

23.   A man covered a distance of 120km in 2 hours.
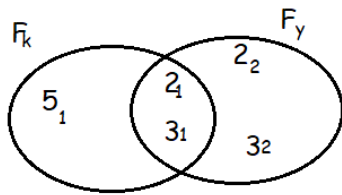 (a) Calculate his speed.   (2mks)

  (b) What distance did Kayinda cover if he travelled at a
       speed of 75km/hr. for 2 hours?   (2mks)

24.   Complete the magic square below.   (5mks)

7	a	5
b	4	c
3	d	1

25. Study the Venn diagram below and answer questions that follow.

$$F_k \quad\quad F_y$$

F_k: 5_1

Intersection: 2_1, 3_1

F_y: 2_2, 3_2

(a) Find the value of k.
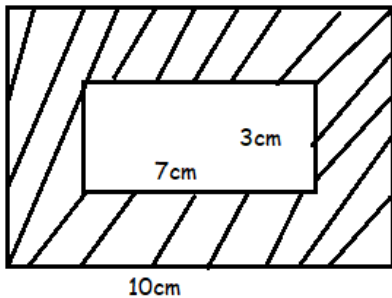
(b) Find the value of y.

(c) Calculate the GCF of F_k and F_y (2mks)

26. Using a pair of compasses, a ruler and a sharp pencil, construct a rectangular hexagon in a circle of radius 4cm.
(4mks)

27.   (a) Find the value of 3 in the number 2341$_{five}$?   (2mks)

(b)Give the place value of 4 in 3240$_{five}$.   (2mks)

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

3cm

7cm

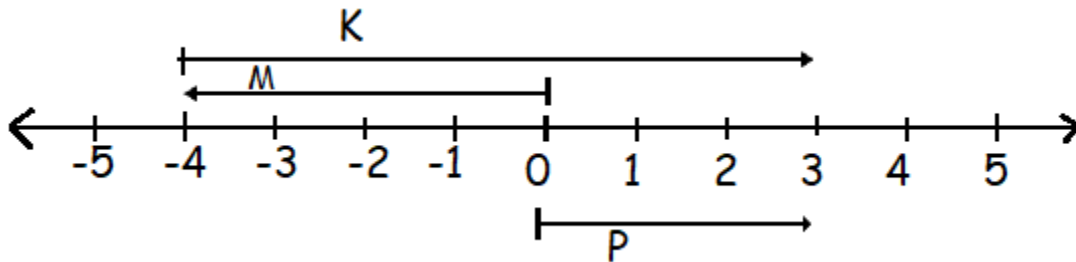10cm

(a)   Find the area of the outer shape.   (2mks)

(b)   Find the area of the Inner shape.   (2mks)

(c)   Calculate the area of the shaded region.   (1mk)

29.   Study the number line below and answer questions that follow.

(a)   Identify the intregers represented by the following letters.   (1 mk)
(i)   M _____
(ii)   K _____
(iii)   P _____

(b)   Write the mathematical statement to represent the above number line.   (2 mks)

30.   Arthur is 5 years older than Abel. If their total age is 45 years. How old is each.   (5mks)

31.   Murtada went to the supermarket and bought the following
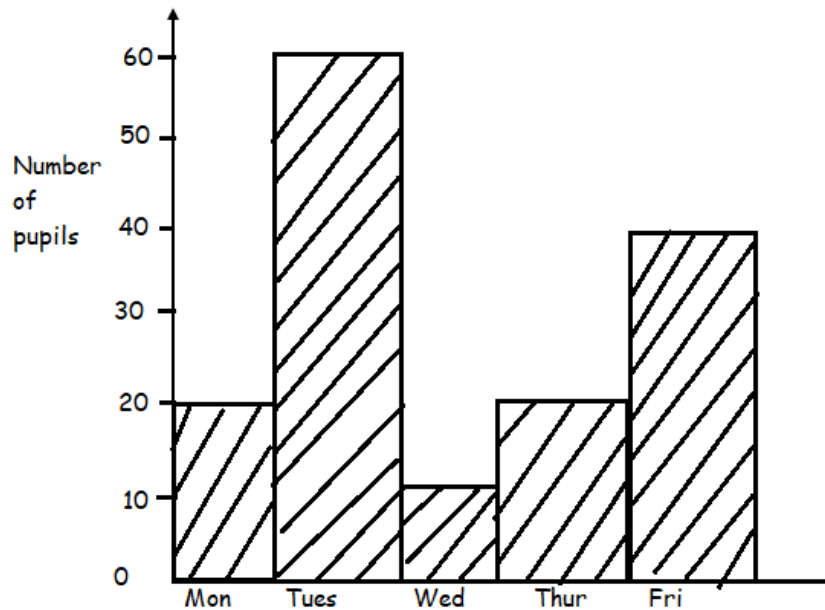
5 mangoes at sh. 2000

3kg of sugar at sh.3000 per kg

A packet of tea leaves at sh.4000

$1\frac{1}{2} kg$ of salt at sh.1000@kg

(a) Calculate his total expenditure.   (4mks)

(b) If he went with twenty thousand shilling note, calculate his change.   (1mk)

32. The graph below represents the number of pupils who did not attend the third week of term three. Use it to answer the questions that follow.

(a) How many pupils attended on Monday?   (1mk)

(b) Write the days that had the same number of pupils. (1mk)

(c) Name the day that had forty pupils absent?   (1mk)

(d) Find the total number of pupils who attended on the first two days of that week.   (2mks)

END