**JULIANA JUNIOR SCHOOL - GAYAZA**

**END OF YEAR EXAMINATION 2022**

**MATHEMATICS P.6**

**TIME: 2 HRS 30 MIN**

**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_CLASS. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Read the following instructions carefully.**

1. This paper is made up two section: A and B
2. Section A, has 40 short answer questions (40 marks)
3. Section B, has 15 questions. (60 marks)
4. Answer all questions. All answers for section 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. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated for official use only.

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| **FOR OFFICIAL USE** | | |
| **SECTION** | **MARKS** | **T/L MARKS** |
| A |  |  |
| B |  |  |
| **TOTAL** |  |  |

**SECTION A (40 MARKS)**

1. Work out: 383 + 117
2. Simplify: 6k – 3p + 4k + 3p
3. Find the next number in the sequence below;

2 , 3 , 5 , 7 , --------

1. A dice is tossed once. What is the probability that a number shown on top is an odd number.
2. Use distributive property to work out: (83 ÷ 4) - (23 ÷ 4)
3. The area of a rectangular piece of land is 40m2. If its length is 8m, calculate the perimeter of the garden.
4. Simplify: -3 - -6
5. Find the value of p in the figure below.



1. What number has been expanded to give;

(5 x 104) + (6 x 103) + (4 x 100)?

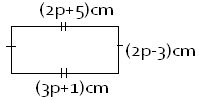
1. 20% of my poultry on a farm are broilers. If there are 50 birds, how many broilers are on the farm?
2. Using a ruler and a pair of compasses only, construct an angle of 900 at point B.

B

1. If today is Monday, what day of the week will it be after 23 days from now?
2. A baby slept at 9.30am and woke up at 10.50a.m. For how long was the baby asleep?
3. Add 123five + 332five
4. Simplify: 4/6-1/3
5. 4 boxes of chalk cost shs.9500. What is the cost of 8 similar boxes of chalk?
6. Round off 49.954 to the nearest tenths.
7. Find the mean of 15, 19, 10, 20 and 21.
8. Increase 1500kg in the ratio of 5:7.
9. Work out the square root of 6.25.

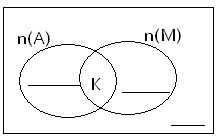
**SECTION B**

1. In a school of 800 pupils. 40% of them are girls and the rest are boys.
2. How many girls are in the school?
3. How many more boys than girls are in the school?
4. The figure below is a rectangle. Use it to answer the questions that follow.



1. Find the value of p.
2. Calculate its area.
3. Find the perimeter of the rectangle.
4. In a class of 36 pupils, 18 pupils like Music (M), 21 pupils like Art (A), K pupils like both music and Art while 3 pupils do not like any of the two subjects.
5. Use the above data to complete the venn diagram below.

n(ξ) = 36



1. How many pupils like both music and art?
2. What is the probability of choosing a pupil who likes music only?
3. In Kyengera Parents’ School, there are two bells that ring in intervals. One for the lower section rings after every 30 minutes while for upper section rings after every 40 minutes.
4. After everyhow many hours will both bells ring together?
5. If they first rung together at 10.45am, when will they ring together again?

25. (a) Work out: 0.36 x 4.8

0.96

(b) Simplify: 1½ ÷ ¾ + 1/5

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

c

 b

a

1. Identify the integers represented by these arrows.
2. B ------------------
3. C ------------------
4. A ------------------
5. Write down the Mathematical statement shown above.
6. Joshua , Faith and Dawin contributed some money to start a business in a ratio of 4:5:3 respectively.
7. If they contributed shs.840,000/=, how much did each contribute?
8. How much more money did Joshua contribute than Darwin?
9. Using a ruler and a pair of compasses only. Construct a triangle ABC such that AB = 7cm, BC = 6cm and AC = 5cm. measure angle BAC.
10. (a) Solve: 4(x - 2) = 28.

(b) James is p years. His brother Peter is 5 years older than James and their total age is 25 years. How old is each?

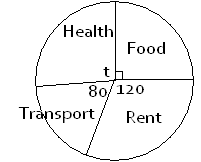
1. Mama Tendo had shs.50,000 and bought the following items.

4kg of meat at 6500 per kg

500gm of sugar atshs.4000 per kg.

3 bars of soap at 6600/=

1½ litreof cooking oil at shs.4200 per litre.

1. Calculate the total expenditure.
2. Work out her change.
3. A motorist drove from Kampala to Masaka at a speed of 90km/hr for 1½ hrs.
4. How far is Kampala from Masaka?
5. Calculate the speed he would move at if he was to use 3 hours
6.  The pie chart below shows Mutanda’s monthly expenditure of shs.720,000.use it to answer questions that follow.
7. Find the value of t.
8. How much money does he spend on rent?
9. How much more money does he spend on food than transport?

**END**