



PEAK EDUCATION SERVICES – NAKABUGO

BEGINNING OF TERM II EXAMINATIONS 2025

P.6 MATHEMATICS

Time Allowed: 2 hours 30 minutes

Pupil's name:

Pupil's Signature:

School Name:

District name:

Read the following instructions carefully:

1. This paper has two sections: **A** and **B**.
Section **A** has 20 questions and section **B** has **12** questions.
2. Answer **all** questions. **All** the working for both Sections **A** and **B** must be shown in the spaces provided.
3. **All** the working **must** be done using a **blue** or **Black** ball point pen or ink.
4. Unnecessary **changes** in your work and Handwriting that cannot be read easily may Lead to **loss of marks**.
5. Do not fill anything in the table indicated
'FOR EXAMINERS' USE ONLY'

| FOR EXAMINERS' USE ONLY | | |
|-------------------------|-------|-------|
| PG.NO. | MARKS | INIT. |
| Page 1 | | |
| Page 2 | | |
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| Page 5 | | |
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| Page 10 | | |
| TOTAL | | |

SECTION A: 40 MARKS

Answer ***all*** questions in this section

Questions **1** to **20** carry two marks each

1. Multiply:

$$\begin{array}{r} 2 \quad 2 \\ \times \quad 4 \\ \hline \\ \hline \end{array}$$

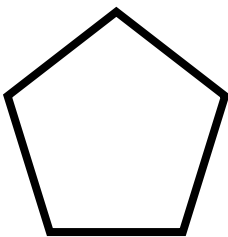
2. Sam is **XIX** years old this year. How old will he be in 11 years time?

3. Write **230,507** in words.

4. List the first five multiples of **4**.




5. Solve for y : $y + 2y = 21$.

6. Name the figure below.



7. Write the next number in the sequence:

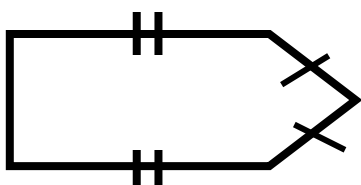
1, 3, 6, 10, _____, _____

8. Without dividing, check if **1326** is exactly divisible by **3**.
9. A certain district distributed 1976 balls among 13 schools, find the number of balls each school got.
10. Write **221**_{three} in words.
11. Set **X** = { , ,  }. Find the number of subsets in set **X**.
12. Find the base number whose expanded form is:
 $(1 \times 2^3) + (0 \times 2^2) + (1 \times 2^1) + (1 \times 2^0)$
13. Peter moved twice round a church measuring 7m by 4m. Calculate the total distance moved by Peter.

14. In the space below, construct a right angle.

15. Find the number when divided by 4, gives 3.

16. Show and write the number of folding symmetry figure below has.

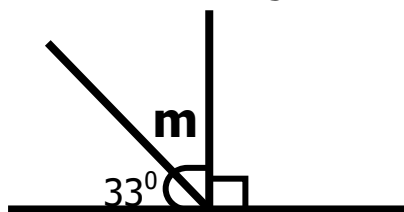


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17. Simplify: $6 - 7$

18. Workout the square of 8.

19. Find the size of angle mark **m**.



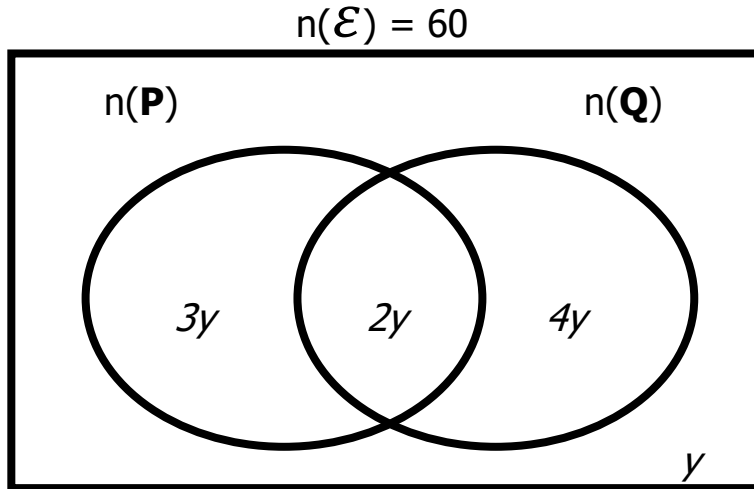
20. Convert 202_{five} to decimal base.

SECTION B: 60 MARKS

Answer **all** questions in this section

Marks for **each** question are indicated in brackets

21. Study the venn diagram below and use it to answer questions that follow.



- (a) Find the value of **y**. **(02 marks)**

- (b) Find **$n(P - Q)$** . **(02 marks)**

- (c) Workout **$n(P \cup Q)$** . **(01 mark)**

22. (a) Simplify the following:

(i) $2\frac{1}{4} \times \frac{2}{3}$

(02 marks)

(ii) $\frac{4}{6} \div 2\frac{2}{3}$

(02 marks)

(b) Isaac bought a cake, he ate three quarters of it in the morning and the rest in the afternoon. What fraction of the cake did he eat in the afternoon?

(02 marks)

23. The sum of three consecutive odd numbers is **105**. Workout the range of the numbers.

(04 marks)

24. Mr. Opio went for shopping bought the following items.

- A half dozen of books at sh.1,000 @ book.
- 2kg of rice at sh.4,500 per kilogram.
- 500ml of cooking oil a litre.

If Mr. Opio went with three notes of ten thousand shillings, how much was her change? **(05 marks)**

25. (a) Find the greatest number of books that can be shared among 8 and 18 boys leaving out 5 books. **(02 marks)**

(b) At Peak Junior school and Day Care, two bells are used to change lessons at an interval of 30 and 40 minutes respectively. They are first rung at 8 : 00 a.m. When will the two bells be rung together again? **(03 marks)**

26. Given the digits **4, 0** and **7**.

(a) Write the smallest numeral that can be formed from the above numerals.
(01 mark)

(b) Find the greatest numeral that can be formed using the above numerals.
(01 mark)

(c) Round of the sum of the smallest and biggest numerals to the nearest tens.
(03 marks)

27. (a) Use **>**, **<** or **=** to complete the following. **(Show your working)**
(02 marks each)

(i). 14×6 _____ $14 + 6$

(ii). CIX _____ 90

(b) List the first four composite numbers. **(01 mark)**

28. Use a sharp pencil, a ruler and a pair of compasses to construct a square **GIRL** of sides **4.4cm**.
(05 marks)

29. In a class of 63 pupils, $\frac{2}{7}$ of them are dancers and the rest prefer singing.

(a) Find the fraction of singers. **(02 marks)**

(b) Calculate the number of pupils who prefer singing to dancing. **(02 marks)**

(c) How many more singers are in the class than dancers? **(02 marks)**

30. Given that in a market, the cost of fruits were all the same in the shops that were there. A heap of 3 mangoes was sold at sh.1, 500. Jackfruits were sold at sh. 3,000 each and a heap of 5 oranges was sold at sh.1,000.

(a) If Jovian went to that market and bought 4 heaps of mangoes with 6 heaps of oranges and one jack fruit. Find the total amount of money she spent. **(04 marks)**

(b) If she gave the seller a twenty thousand note, how much was her balance? **(02 marks)**

31. If **p = 4** and **m = 5**. Find the value of:

(a) **m^2** **(02 marks)**

(b) **$m + p - m$** **(02 marks)**

32. (a) A lesson started at 11 : 30 a.m and ended at 12 : 30 p.m. How long was the lesson? **(02 marks)**

(b) A taxi travelled for **3hours** at a constant speed of **70km/hr**. Calculate the distance covered by the taxi. **(02 marks)**

