KAMPALA CENTRAL EXAMINATIONS BOARD

PRIMARY SEVEN SET ONE EXAMINATION
2025
MATHEMATICS

Time Allowed: 2 hours 30 minutes

Candidate's Name: _____

Candidate's Signature: _____

School 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 the 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. Any work done in pencils other than graphs and diagrams will not be marked.

4. No calculators are allowed in the examination room.

5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.

6. Do not fill anything in the table indicated: "**for examiners' use only**" and boxes inside the question paper.

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1. **Solve: 2k − 3 = 5**

2. If today is Friday, what day of the week will it be after **27** days from now?

3. There are **12** eggs in the basket. If **3** eggs are rotten, what is the probability of picking a good egg at random from the basket?

4. Kalikali paid **Shs. 24, 000/=** for **four** text books. Find the cost of **2** similar text books.

5. **Work out: ⁻5 + ⁺8**.

6. Ten men take **12** days to do a piece of work. How many men working at the same rate do the same piece of work in **8** days?

7. Given that **a = 3** and **b = 4**. Find the value of **2a + 2b**.

8. In a line of trees, a tree was the 9th from each end of the line.
How many trees were in the line?

9. Convert **3.5** metres into centimetres.

10. In a P.7 class, $\frac{2}{5}$ of the pupils are boys. If there are **150** pupil, how many girls are in the class?

11. Seven children has the following ages: 7, 3, 6, 2, 5, 1 and 4. Find the mean age.

12. Using a pair of compasses, a ruler and a pencil only, draw an angle of **60⁰** in the space provided below.
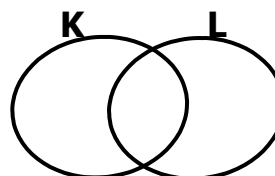
13. What is the value of **5** in the figure **7 5 0 11**.

14. A farmer banked **Shs. 500,000** from the bank at a simple interest rate of **20%** per annum. What was the interest on that amount after a period of **9** years?

15. Write the next number in the sequence.

    1, 4, 9, 16, _____

16. In the Venn diagram below, shade the area.
    (K ∪ L)

K   L

a) Find the value of **y**.
(3mks)

17. Five thousand shilling notes are numbered consecutively from
XT 5 5 3 2 8 to
XT 5 5 4 2 7
How much money was in this bundle?

b) If Mr. Opio earns **Shs. 360,000** per month, how much does he spend on;
i) food?
(2mks)

18 What number which when divided by **5** or **8** leaves **4** as the remainder?

ii) school fees?
(2mks)

19. **Work out: 3 − 5 + 7**

22. A mother is **4** times as old as her daughter Rose. Their total age is **90** years.

20. Mutwali is **3** years younger than Luutu. Their total age is **15** years. Find Luutu's age.

a) How old is Rose?
(3mks)

SECTION B

21. The figure is a pie chart.

b) Find the difference between their age. (2mks)

clothings   food
y
150⁰ school fees

4

23. Kato and Kiiza set out for a journey of **150km**.
Kato's car consumes one litre of petrol every **15km** while Kiiza's car consumes one litre of petrol every **10km**. If a litre of petrol costs **3000/=**

a) How much money did Kato spend on petrol? (3mks)

b) How much more money did Kiiza spend than Kato? (3mks)

24. In a class of **50** pupils, **25** like posho (P) **28** like Rice (R), x like both posho and Rice while **7** pupils like neither.

a) Complete the Venn diagram.

n(ε) = 50

n(P) = _____   n(R) ____

(2mks)

b) Find the value of x. (3mks)

25. Bonny bought the following items.
- **2** pairs of shoes at **1200** each
- A shoe brush at **1000/=**
- **2** tins of shoe polish at **Sh. 5000**
- **3** pairs of stocking at **Sh. 6000** each
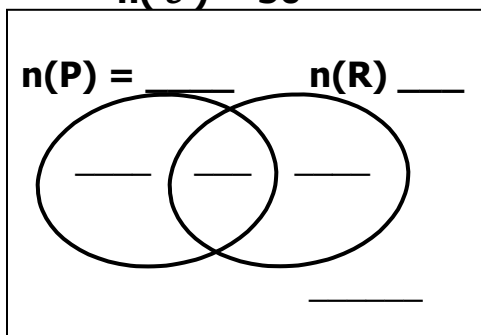
a) Calculate his total expenditure. (4mks)

b) If he had **Sh.20,000** in his pocket, find his change/balance. (2mks)

5

26. Study the Venn diagram.

F_m F_{18}
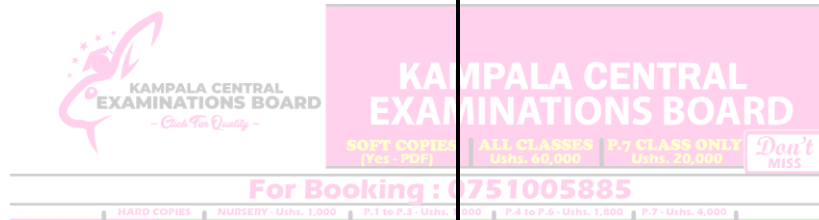

2_3 2_1 p
5_1 2_2
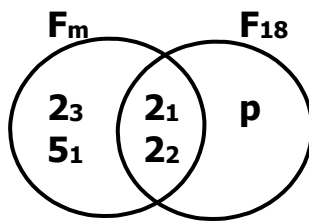
a) Find **p**   (2mks)

b) Work out the **L.C.M** of F_m and F_{18}
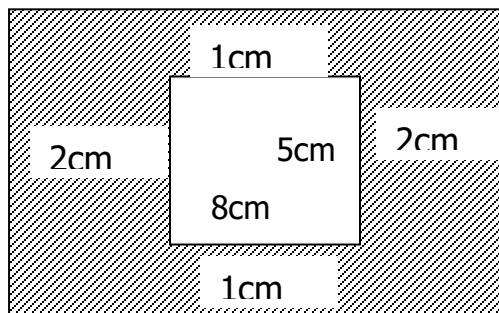   (2mks)

27. Musa sat for an examination and scored the following marks.
60, 90, 75, 80, 75, 40, 75

a) What washer mediam mark?   (2mks)

b) Work out his mean.   (3mks)

28. The diagram below shows a photograph **8cm** by **5cm** that was put in a frame.

1cm

2cm   5cm   2cm

8cm
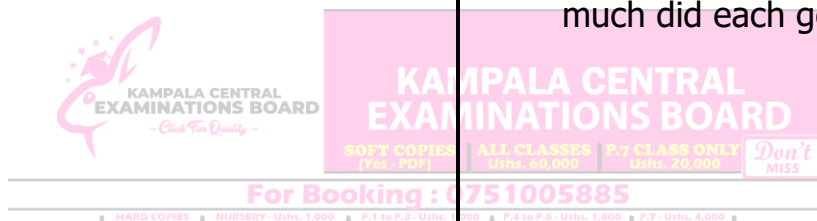
1cm

a) Find the length of the frame.   (1mk)

b)   Find the width of the frame.   (1mk)

c)   Work out the area of the frame which was not covered by the photograph. (3mks)

29.a) What is the place value of **4** in the number **3 4 0 0 2 8**?
           (1mk)

30.   A father distributed his salary among his wife, son and daughter in the ratio of **1:2:3** respectively. If his salary is **Shs. 48,000**, how much did each get?   (3mks)

b)   **Simplify: $\dfrac{b^3 \times b^5}{b^2 \times b^4}$**

                (3mks)

31.   The sum of three consecutive even numbers is **96**.
       Find the three even numbers.
                                (4mks)

c)   Expand **847** using powers of **10**
                                (2mks)

7

32. The table below shows the arrival and departure time for a bus that travels from Kampala to Hoima daily.

Town	Arrival time	Departure time
Kampala		7:30a.m
Busunju	8:10a.m	8:30a.m
Bukomero	9:30a.m	9:45a.m
Kiboga	10:15a.m	10:40a.m
Hoima	11:40a.m	

a) At what time does the bus leave Kampala?   (1mk)

b) How long does the bus stay at Bukomero?   (2mks)

c) How long does the bus take to travel from Bukomero to Kiboga?   (2mks)

END(KAMCEB 2025)