



SEETA PARENTS PRIMARY SCHOOL

PRE-MOCK ASSESSMENT SET 4 2024

MATHEMATICS

Time Allowed: 2 hours 30 minutes

| Random No. | | | | | | Personal No. | | |
|------------|--|--|--|--|--|--------------|--|--|
| | | | | | | | | |

Candidate's Name.....

Stream:

| | |
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| Previous Mark | |
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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** answers to both sections **A** and **B** must be written in the spaces provided.
3. **All** answers must be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked except diagrams and graphs.
4. Unnecessary **changes** in your work may lead to **loss** of marks.
5. No **calculators** are used in the examination room
6. Do not fill anything in the table indicated:
"For Examiners' Use Only" and boxes inside the question paper.

| FOR EXAMINERS' USE ONLY | | |
|-------------------------|-------|-----------|
| Qn. No. | MARKS | EXR'S NO. |
| 1 – 5 | | |
| 6 – 10 | | |
| 11 -15 | | |
| 16-20 | | |
| 21-22 | | |
| 23 – 24 | | |
| 25– 26 | | EXR'S |
| 27 – 28 | | |
| 29 - 30 | | |
| 31 - 32 | | |
| TOTAL | | |

SECTION A: 40 MARKS

1. Divide $6 \div 2$

2. Write the number expanded in short form.

$$(3 \times 1000) + (8 \times 100) + (2 \times 10) + (9 \times \frac{1}{10})$$

3. Simplify $-4 \times +3$

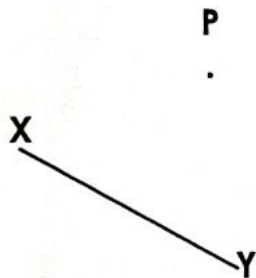
4. Given that 54° , $2k$ and 60° are supplementary angles. Find the value of k .

5. Convert 102_{seven} to base ten and show your answer on an abacus.

6. If set $P = \{r, p, d, u, x, v, e\}$, $P \cap Q = \{p, d, u\}$ and $P^c = \{v\}$. List elements of set Q .

7. Workout $0.36 \div 0.6$

8. Using a ruler, a sharp pencil and a pair of compasses only, drop a perpendicular bisector from P to meet line XY at point K .



9. Given that $r=4$ and $y=-2$. Find the value of $2ry + 6$.

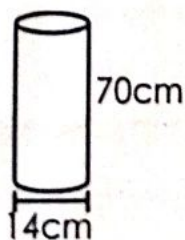
10. Express 3:10 p.m. in a 24 hour clock system.

11. In P.7 of 180 pupils, $\frac{4}{9}$ are boys and the rest are girls. Find the probability of picking a girl to be a class leader.

12. How many chalkboard rulers can be shared by a group of 8 teachers or 12 teachers leaving a remainder of 5?

13. Subtract $2y + 6$ from $8y + 10$.

14. Calculate the volume of the tank below.



15. The lent period started on Tuesday and took 40 days. On which day of the week did lent period end?

16. Kavuma bought 3 trays of eggs at sh. 33,000. Find the cost of each tray of eggs.

17. 8 cleaners take 6 hours to sweep the school compound. How many hours will 12 cleaners take to sweep the same compound?

18. Find the average of 6m, 4m, 6m and 3m.

19. Workout $(100 \div 20) - (80 \div 20)$

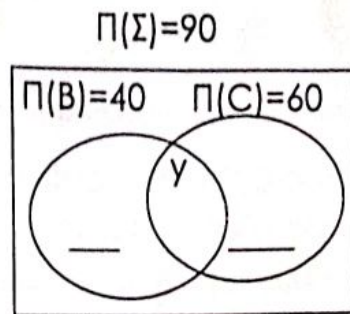
20. Esther withdrew a bundle of ten thousand shilling notes numbered consecutively from CW9004034 to CW9004012. How much money did she collect?

SECTION B: 60 MARKS

21. The Venn diagram below shows a group of 90 pupils of P.7R and P.7N who like beef (B) and chicken(C). Study it carefully and answer the questions that follow.

a) Complete the Venn diagram below.

(2 marks)



b) If 4 pupils like neither of the two food staffs, find the value of y .

(2 marks)

22. Opio deposited sh.600,000 in Centenary Bank which offers an interest rate of 20% per annum for 3 years.

a) Find his interest at the end of that period.

(3 marks)

b) How much money did he get at the end of 3 years?

(2 marks)

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

- a) Construct a triangle TOP where line TP=7cm, angle T=60° and angle P=45°.

(4 marks)

- b) Measure line OP in centimeters.

(2 marks)

24. a) Workout $\frac{2.4 \times 0.02}{0.6 \times 0.3}$

(3 marks)

b) Express $0.333\dots$ as a common fraction in its lowest terms.

(2 marks)

25. A parent bought the following items for his family;

- ✓ 4kg of rice at sh.4000 per kg
- ✓ 500gm of salt sh.1200 each kg
- ✓ $1\frac{1}{2}$ kg of meat at sh.14000 per kg
- ✓ 6 onions at sh. 1500 and 4 tomatoes at sh.2000.

a) Calculate his total expenditure.

(5 marks)

b) If he remained with sh.2500, how much money did he have at first?

(1 mark)

26. a) If $32_m = 17_{ten}$. Find the value of m.

(2 marks)

b) Add:

(2 marks)

$$\begin{array}{r} 213_{\text{six}} \\ + 102_{\text{six}} \\ \hline \end{array}$$

27. Two bells for Upper Primary and Middle Primary ring at intervals of 30 minutes and 40 minutes respectively. After how many minutes will they ring together at the same time if they were first rung at once?

(4 marks)

28. a) Allen is 18 years old and Maria is 5 years. In how many years' time will Allen be twice as old as Maria?

(3 marks)

- b) Solve and find the solution set for: $\frac{2y}{5} + 6 \geq 2$.

(3 marks)

29. Mukulu built a house having a sitting room of floor measuring 400cm by 200cm and decided to tile it using square tiles of 40cm.

a) How many square tiles did he use? (2 marks)

b) If each tile costs sh.3,000, how much money did he spend? (2 marks)

30. Cathy drove from town A to town B at a speed of 60km/h for 3hours and later continued to town C a distance of 80km driving at a speed of 40km/h.

a) Find the distance between town A and town B. (2 marks)

b) Calculate her average speed for the whole journey. (3 marks)

31. A water tank at Kawempe Modern P/S is $\frac{1}{3}$ full of water, when 640 litres of water are added it becomes $\frac{3}{4}$ full.

a) What fraction of water was added? **(2 marks)**

b) Find $\frac{4}{5}$ of the tank when full. **(3 marks)**

32. A trader sells avocado in heaps of 8 and 10. A heap of eight costs sh.4000 and a heap of ten costs sh. 5000. If he had 6 heaps of eight and 8 heaps of ten;

a) How many avocados did he have? **(2 marks)**

b) How much money did he get after selling all the avocados?

(4 marks)

END