

PEARL JUNIOR SCHOOL KIYUNGA

PRIMARY SEVEN 2024

Mathematics

Time allowed: 2 hours 30 minutes

Name: _____

Read the following instructions carefully:

1. The paper has **two** sections: **A** and **B**
2. Section **A** has 20 short questions (40 marks)
3. Section **B** has 12 questions (60 marks)
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. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated for Examiner's use only.

FOR EXAMINER'S USE ONLY

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Qn. No	MARK	SIGN
1 – 10		
11 – 20		
21 – 30		
31 – 32		
TOTAL		

Turn over

SECTION A: 40 MARKS

1. Work out: 22×2

2. What number has been expanded below?
 $20,0000+600+8$

3. Write XCIX in Hindu -Arabic numerals

4. Given that set $p=\{1,3,5,7,9\}$ and set $Q=\{2,3,5,7\}$ find $n(p \cap q)$

5. Round off 12962 to the nearest thousands

6. Find the value of p in the diagram below



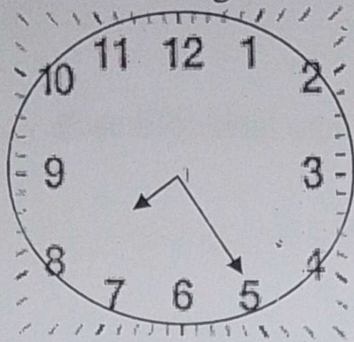
7. A pupil bought a dozen of exercise books for sh. 6000. he later sold each book at sh. 700. calculate his profit

8. Simplify: $4t - 2k - t + 5k$

9. Divide 6363 by 7

10. Work out: $\frac{2}{3} + \frac{1}{4}$

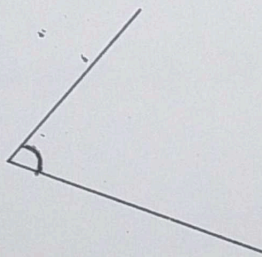
11. What morning time is shown on the clock below?



12. Simplify: $+4 - +6$

13. In the class, the ratio of girls to boys is 3:2. If there are 18 girls, how many pupils are in the class?

14. Using a pair of compasses, ruler, and a pencil only bisect the angle below



15. Work out: $2 - 6 \pmod{7}$

16. Given that $a = \frac{1}{3}$ and $\frac{1}{9}$ find the value of $\frac{a}{b}$

17. The L.C.M of two numbers is 72 and their G.C.F is 6. If one of the numbers is 24, find the second number

18. Trees were planted along a straight road of 305 meters long. If the trees were planted 5 metres apart, how many trees were planted along the road?

19. Medi has 30kg of sugar to be packed in $\frac{3}{4}$ kg packets.
How many packets will he get?

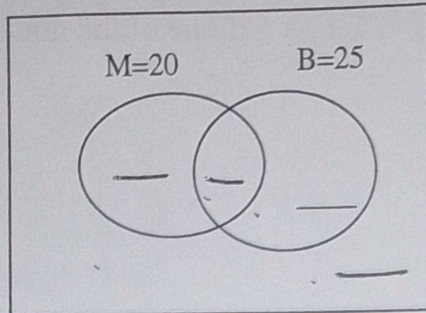
20. Find the next number in the sequence. 1, 8, 27, 64, _____

SECTION B

21. Express 0.406 in standard form (2 marks)

22. In a village of 49 farmers, 20 grow millet (M), 25 grow beans (B). Y grow both millet and beans, 3 Y grow neither of the two food crops.
- a. Use the information above to complete the venn diagram. (2marks)

$$\varepsilon = 49$$



- b. Find the value of Y

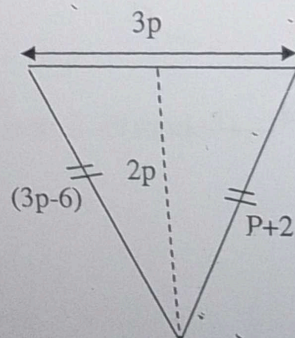
(2marks)

- c. How many farmers grow only one type of crops?

(2marks)

23. Study the diagram below and answer the questions that follow.

- a. find the value of p

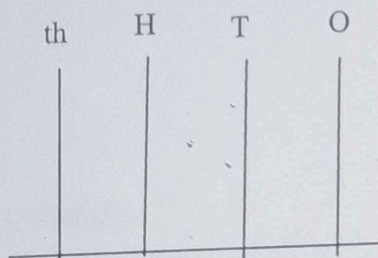


- b. Find the area of the triangle EBC

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cc. find the total distance around the figure.

24. Draw beads to show the number 4502 on the abacus below

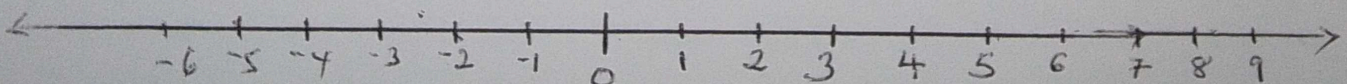


b..Find the sum of the value of 3 and 7 in the number 3678.

(3marks)

25. Use a number line to workout 2×4

(2marks)


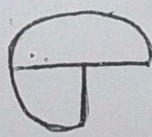


b. the temperature of the room rose from 10°C to 24°C . find the temperature (2marks)

26. Using a pair of compasses, a ruler, and a pencil only. construct a triangle PQR in which $PQ=6\text{cm}$, angle $RPQ=60^{\circ}$ and angle $PQR=45^{\circ}$ (4marks)

b, Find its area

(2marks)

27. If  represents 1500 pupils in the school, find the number of pupils represented by  (5marks)

31. Asiimwe went with sh.10,000 and bought the following items

3 bars of soap at sh.1200 per bar

$1\frac{1}{2}$ kg of sugar at sh.3000 per kg

500g of salt at sh.1000 per kg.

a. Calculate Asiimwe's change after buying all the items

(5marks)

32. on the graph below, plot the following points

A(-2,3), B(5,3), C(-2,-1), D(1,-1)

