PEAK JUNIOR SCHOOL NAKABUGO

P.7 BEGINNING OF TERM I EXAMINATIONS 2025

MATHEMATICS

Time allowed: 2hours 30 minutes

Candidate's name: .....

Read the following instructions carefully:

1. This paper has two sections A and B. Section A has 50 questions and section B has 5 questions.

2. Answer all questions. All the Working must be shown in the spaces provided.

3. All working must be done using a blue or black ball point pen or ink.

4. Unnecessary changes in your work and handwriting may lead to loss of marks.

5. Do not fill anything in the table indicated "For examiners' use only".

FOR EXAMINER'S USE ONLY

SECTIONS	MARKS	COMM.
SEC A		
SEC B		
TOTAL		

Turn Over

SECTION A *(20 questions)*

Questions in section A carry 2marks each

1. Workout 2thousands + 5hundreds + 3tens.

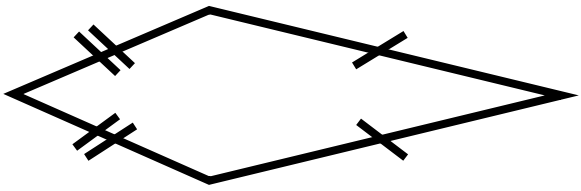
2. Divide 0.0048 by 0.12

3. Find the sum of the next two numbers in the sequence;

   3, 6, 9, 12, 15, ……., …….

4. Set P = {m, i, c, e}, find number of proper subsets in set P.

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



6. Solve; $2x + 5 = 17$

7. Find the square root of 225.

8. Find the median of 42, 6, 78, 1, 29, 18 and 3.

9. Simplify; $-7 + -4$

10. Express 2500ml as liters.

Turn Over

11. Write 'four hundred twenty' in figures.

12. Peter woke up in the morning at the time shown on the clock face below.

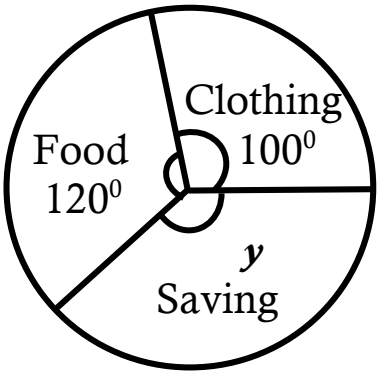
Write the above time in 24 hour clock system.

13. Express 150 seconds as minutes.

14. Workout; $3\frac{3}{4} \div \frac{9}{2}$

15. John and Tom shared some money in the ratio 2 : 3, if Tom got sh. 96,000. How much money did John get?

16. The pie chart below shows how Ibrahim spends his wages of ***sh. 360,000***.



Find the value of ***y*** in degrees.

Turn Over

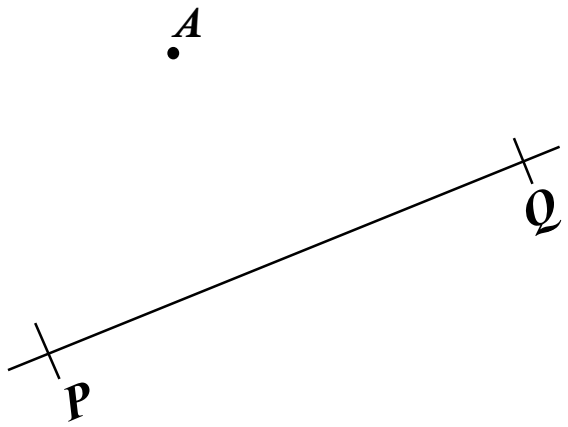
17. Workout;

Hrs	Min
5	40
+ 3	50

18. Expand 22.65 using values.

19. Convert $250m^2$ to cm^2.

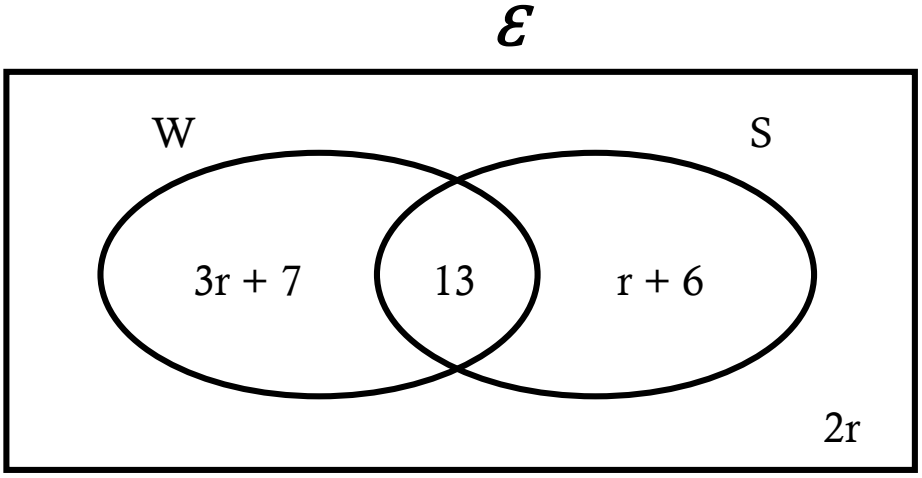
20. Using a pair of compasses, a ruler and a sharp pencil, drop a perpendicular bisector at point ***A*** through line ***PQ.***



SECTION B

This section has 12 questions, 60 marks.
Marks for questions in this section are indicated in brackets.

21. At a birthday party, guests were served with soda (S) and mineral water (W) as shown in the venn diagram below. Use it to answer the questions that follow.



(a) If 32 guests were served with soda, find the total number of guests who attended the party. ***(3 marks)***

(b) Find the probability that a guest picked at random did not take any of the drinks. ***(2 marks)***

Turn Over

22. (a) Write **21.104** in words. ***(1 mark)***

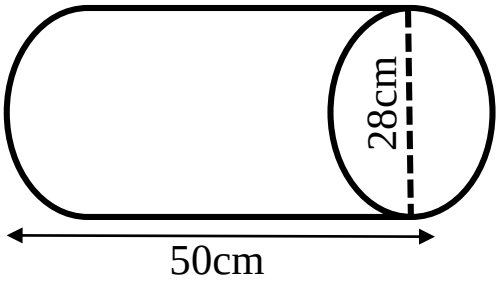
(b) Workout: $\frac{48 \times 1.2}{0.2 \times 0.24}$ ***(3 marks)***

(c) Simplify: 0.37 – 1.03 + 2.0 ***(2 marks)***

23. (a) Evaluate $3^3 \times 5^4$. ***(2 marks)***

(b) Kasozi is twice as old as Muhammad, in 10 years' time, their total age will be 80 years. How old is each of them?
(3 marks)

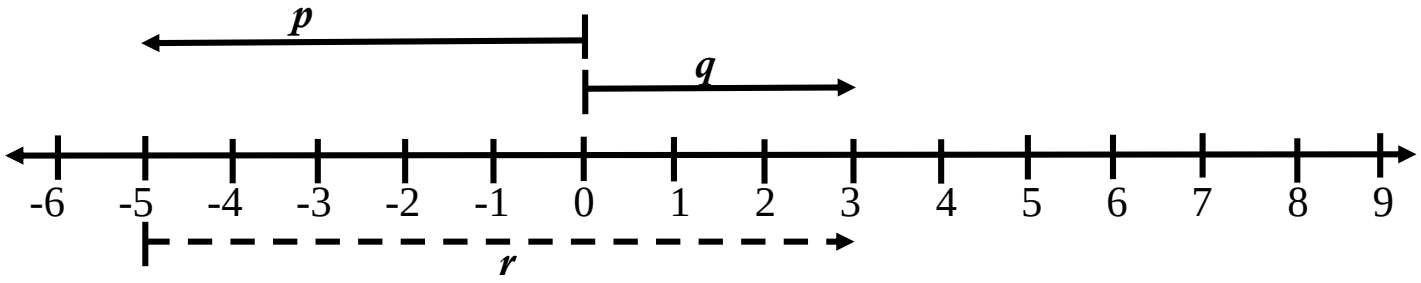
24. Below is a cylinder, use it to answer the questions that follow.



(a) Calculate its volume. ***(2 marks)***

(b) Find its capacity. ***(2 marks)***

25. Study the number line below carefully.



(a) Write integers marked with letters; ***(3 marks)***

p ……. ***q*** …….. ***r*** ……

(b) Write the mathematical statement shown above. ***(2 marks)***

Turn Over

26. The table below shows the marks obtained by some pupils in a test. Use the information to answer questions that follow.

Marks	40	***m***	60	70
Number of pupils	2	6	3	3

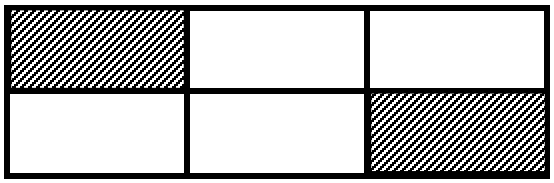
(a) Find the number of pupils who sat for the test. ***(2 marks)***

(b) If the mean mark of the pupils was 55, find the value of ***m***.
(3 marks)

27. In Peak Junior school and Day care, there are 70 pupils in P.7 class. If 40% are boys, find the number of girls in P.7 class.
(5 marks)

28. (a) Find the reciprocal of $2\frac{1}{5}$. ***(2 marks)***

(b) Write the unshaded fraction below in words. ***(1 mark)***



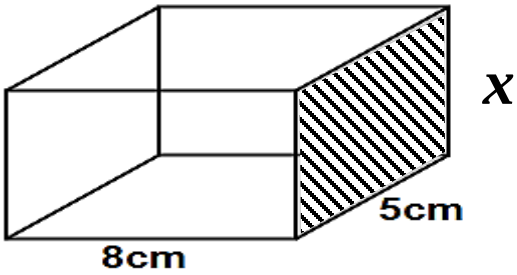
(c) Mr. Lumu shared some money among his three children, Martha, Mathius and Michael. If Martha got $\frac{2}{3}$, Mathius got $\frac{1}{5}$,and the rest was given to Michael. What fraction was given to Michael? ***(2 marks)***

Turn Over

29. (a) With the help of a ***sharp pencil***, a ruler and a pair of compasses only, construct a square in a circle of radius 4cm. ***(4 marks)***

(b) Measure the length of the square in cm. ***(1 mark)***

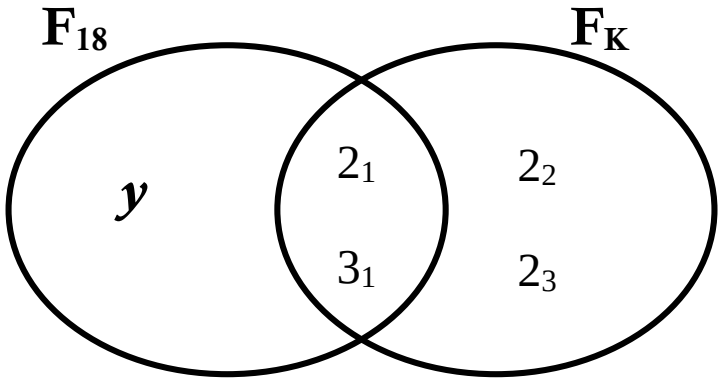
30. Study the figure below carefully and answer the questions that follow.



(a) If the volume of the figure is $360cm^3$, find the value of x. ***(3 marks)***

(b) Calculate the area of the shaded part. ***(2 marks)***

31. Two numbers were prime factorized as shown below. Study it carefully and answer the questions that follow.



Find the value of;

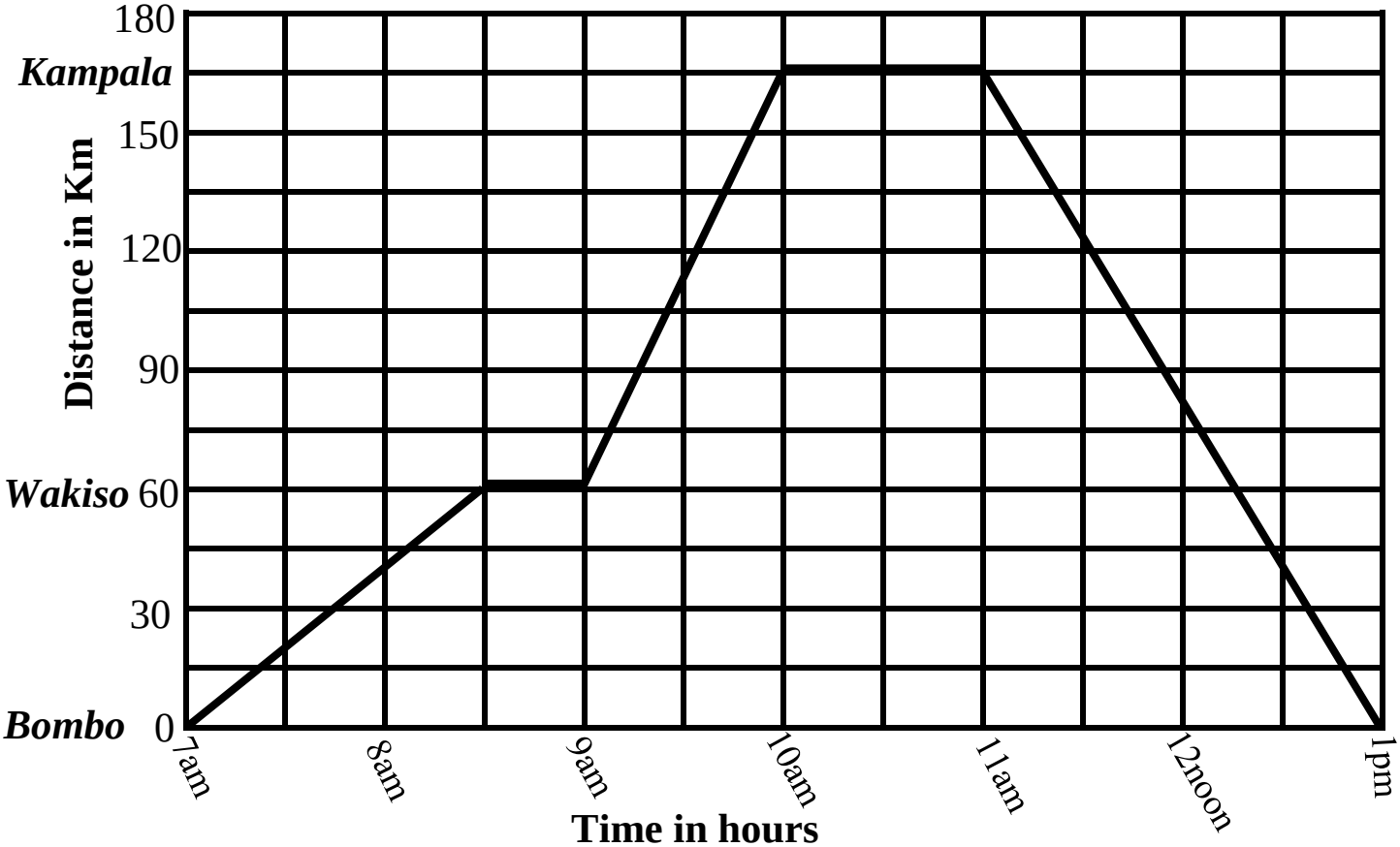
(a) ***y*** ***(2 marks)***

(b) ***K*** ***(2 marks)***

(c) Find $F_{18} \cap F_K$. ***(1 mark)***

Turn Over

32. The travel graph below shows journey of a motorist from Bombo town to Kampala via Wakiso and back to Bombo town.



(a) What was his departure time form Kampala? ***(1 mark)***

(b) Find the distance he covered from Bombo to Kampala.
(1 mark)

(c) Calculate his average speed for the whole journey. ***(3 marks)***

BY Tr.BABEL Tel. 0758160040 ***THE END***