KAMTEC EXAMINATIONS BOARD

SET 1, EXAMINATION, 2025

CLASS : P. 7
SUBJECT : MATHEMATICS
DURATION : 2 HOURS 30 MINUTES

		EMIS NO.						PERSONAL NO.		
Index No.	:									

Candidate's Name : ……

Candidate's Signature :……

Emis No. :……

District Name :……

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully

For Examiner's	
A	
B	
TOTAL	

1. This paper has two Sections: A and B.
2. Section A has 20 answer questions (40 marks)
3. Section B has 12 questions (60 marks)
4. Answer ALL questions. Answers to both sections must be written in the spaces provided.
5. All answers must be written using blue 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 box indicated for examiner's use only.

SECTION A: (40 MARKS)

1. Multiply: 7 0

   x 2

   ———

2. Express XVII in Hindu Arabic numerals.

3. Write 'Four thousand six' in figures.

4. Convert 3.2kg into grams.

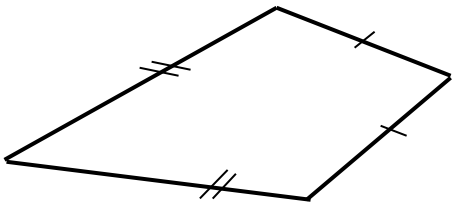
5. Given that set A = {x, y, z}, how many subsets does set A have?

6. Simplify: 7m + 3x - 2m + x

7. Reduce 1200kg in the ratio of 2:3.

8. Work out the square root of 36.

9. How many lines of folding symmetry has the figure below?



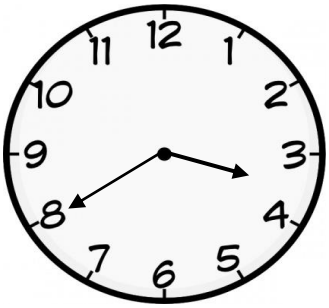
10. The probability of picking at random a girl to be the class prefect is $\frac{4}{9}$

    If a class has 45 children, find the number of girls in the class.

11. Solve for k; 4 + k = 39.

12. A trader made a profit of sh. 4000 after selling a handbag for sh. 20,000.
    How much was the trader's buying price?

13. Write the afternoon time shown on the clock face below.

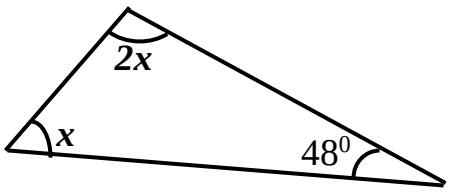


14. Find the number expanded to give; $(4 \times 10^3) + (6 \times 10^2) + (9 \times 10^0)$

15. Write the integer 8 steps right of -5.

16. Given that  represents 120 books, draw pictures represent 600 books.

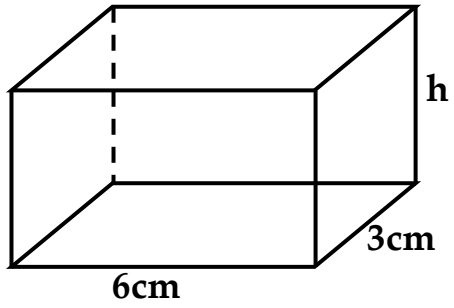
17. In the figure below, workout the value of x in degrees.



18. Express $\frac{4}{11}$ as a decimal number.

19. Multiply 135 by 18.

20. The volume of the cuboid below is 180cm^3.

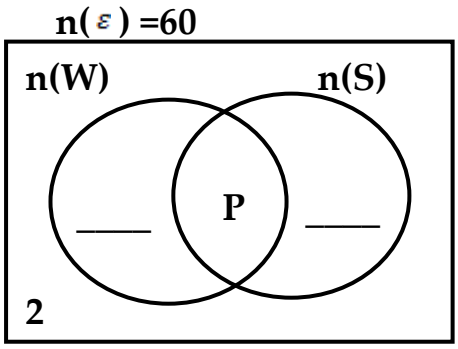


Calculate its height.

SECTION B: (60 MARKS)

21. In a group of 60 guests, 40 guests took water (W), 28 took soda (S), P took both water and soda while 2 did not take any of the two drinks.

a) Complete the Venn diagram below. (2 marks)



(b) Find the value of P. (2 marks)

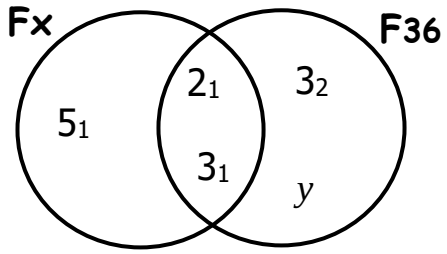
(c) How many guests did not take soda? (1 mark)

22. A sum of sh. 24,000 was shared among Mary, Samuel and Patrick in the ratio of 3:7:2 respectively.

(a) Find the amount of each got. (4 marks)

(b) How much more did Samuel get than Mary? (1 mark)

23. Use the Venn diagram below and answer the questions that follow.



(a) Find the value of x (2 marks)

(b) Work out the value of y. (2 marks)

(c) Find the;

(i) G.C.F of X and 36. (1 mark)

(ii) LCM of X and 36. (1 mark)

24. (a) Solve for t;

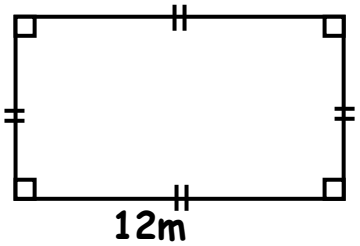
t - 11 = 29 (1 mark)

(b) If x = 7, p = 9, find the value of

(i) 2(p + x) (2 marks)

(ii) $X^2 - P$ (2 marks)

25. The perimeter of the rectangle below is 42m and its length is 9m.



(a) Find its width. (3marks)

(b) Work out its area. (2 marks)

26. Two bells of lower and upper primary ring at intervals of 30 minutes and 40 minutes respectively.

(a) After how many minutes will the two bells ring together again?(3marks)

(b) If the two bells rang together for the second time at 10:30am, when were they first rang? (2marks)

27. A motorist left town X for town Y at 70km/h for 2 hours. He continued to town Z for another ½ an hour using the same speed.

(a) Work out the total distance from town X to town Z.

(3marks)

(b) If the motorist left town X at 7:40a.m, find the time he reached town Z. (2 marks)

28. Using a pencil, a ruler and a pair of compasses only, construct triangle DPT such that line DP = 7cm, angle TDP is 90^0 and line DT = 6cm.

(4 marks)

(b) Measure length PT. (1 marks)

29. In a school, the fraction of girls is $\frac{3}{8}$ and the rest are boys.

(a) Find the fraction of boys in the school. (2 marks)

(b) If there are 340 more boys than girls in a school, find the total population of children in the school. (2 marks)

$\frac{1}{5}$

(c) If of the girls in the school are in P.7, find the number of girls in P.7 class. (1 mark)

30. The table below shows the marks got by Andrew in a certain test.

English	Math	Science	S.ST
90	95	90	77

(a) Find the range in his marks. (2marks)

(b) Find the modal mark (1 mark)

(c) Work out Andrew's average mark. (2marks)

31. (a) Work out 7 – 10 + 5. (2 marks)

(b) There are 12 biscuits in a packet. If 40 packets are packed in a box, find the total number of biscuits that will be packed in 3 boxes.

(2marks)

32. (a) Complete the table

Item	**Quantity**	**Unit cost**	**Amount**
Sugar	3kg	Sh. 4000	Sh. _____
Salt	_____kg	Sh. 2000	sh. 1000
Cooking Oil	1 ¼ litre	Sh. _____	Sh. 10,000
		Total expenditure	**Sh. _____**

(b) If a customer remained with sh. 7000, find the amount of money he had at first.

(1marks)

END