RAPHA EXAMINATIONS BOARD

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PRIMARY FIVE EXAMINATIONS 2024 (SET 6)
MATHEMATICS
Time allowed: 2 hours 30 minutes

Pupil's name: ....

Signature: ....**Date**...

School name: ....

District: ....
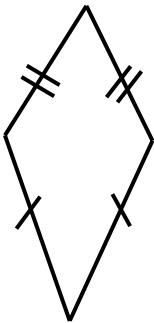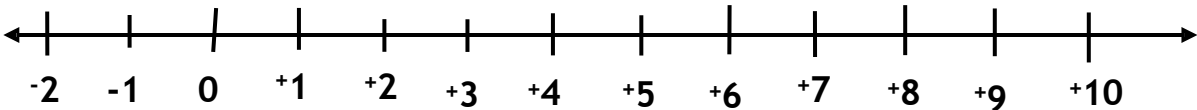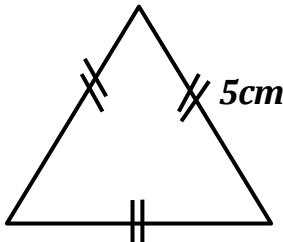
READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections **A** and **B**
2. All the working in both sections **A** and **B** should be shown in the spaces provided
3. All working must be done using blue or black ball point pen or fountain pen. Diagrams **MUST** be drawn in pencil
4. Unnecessary changes of work may lead to loss of marks
5. Any handwriting that cannot be easily read may lead to loss of marks
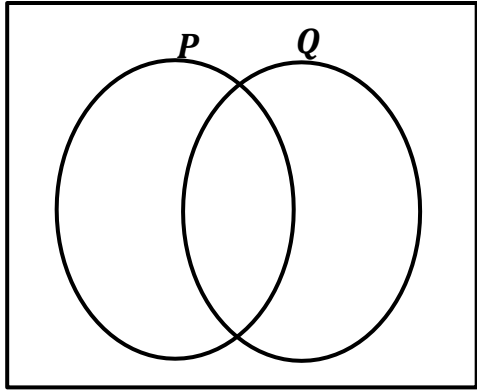6. Do not fill in anything indicated for *examiners use only* and those inside the paper
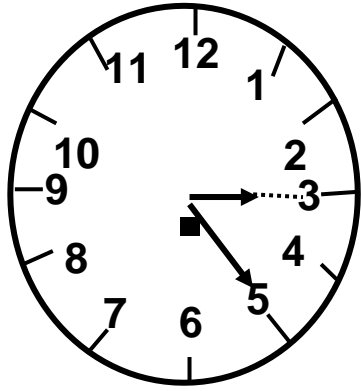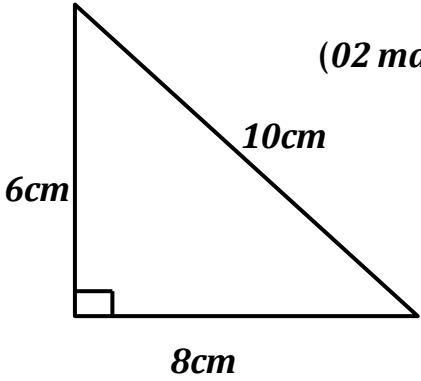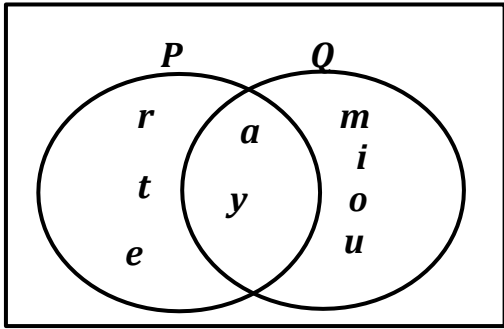
For examiner's use only

SECTION	MARKS	INITIALS
SECTION A		
SECTION B		
TOTAL		

1	Work out: (*02 marks*)	2	Write **2,016** in words. (*02 marks*)
	$\quad\quad 8$ $\underline{\quad +\ 2\quad}$ $\overline{}$		
3	Add: $\dfrac{5}{8} + \dfrac{3}{8}$ (*02marks*)	4	Find the missing value in the box. *02marks)* $\boxed{} \; - \; \textbf{3} =\textbf{9}$
5	Name the shape drawn below. (*02 marks*)	6	Describe the sets below. (*02 marks*) **M={1,2,3,4} N ={a,b,c,d}**
7	Change **4 metres** into **centimetres**. (*02 marks*)	8	What number is represented by the tallies below? (*02 marks*) ||||| ||||| |||
9	Write **XIX** in Roman numerals. (*02marks*)	10	Find the next number in the sequence below. (*02marks*) **3, 5, 7, 9, _____**

11	Change *2 hours* into *minutes*. (*02marks*)	12	The cost of *one* book is *Sh. 500,* what is the cost of *3* similar books? (*02 marks*)

13	Use a number line to subtract. *9−6* (*02 marks*) -2 -1 0 +1 +2 +3 +4 +5 +6 +7 +8 +9 +10

14	Find the perimeter of the triangle below*.* *(02 marks)* *5cm*

15	Divide: *24* by *3* (*02 marks*)	16	Add: *6goats* and *4 goats*. (*02 marks*)

17	In the Venn diagram below shade. **P∩Q**. (*02 marks*) 	18	Tell the time in the morning on the clock face below. (*02 marks*) PTO

19	Find area of the triangle below.
	(*02 marks*)
	
	10cm
	6cm
	8cm
		20	Work out: (*02 marks*)
			
			   Hrs **Minutes**
			    3 4 5
			   - 1 3 0
			  ——————————

Section B(60 Marks)

21 Study the Venn diagram below and answer the questions that follow.

(a) List down the members of set **P**. (*02 marks*)

(b) Write down the members of set **Q** only. (*01 mark*)

(c) Find **n(P∩Q)**. (*02 marks*)

(d) Find $P \cup Q$. (*01 mark*)

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22 | There are *120* pupils in a class. Out of these, *70* are girls.
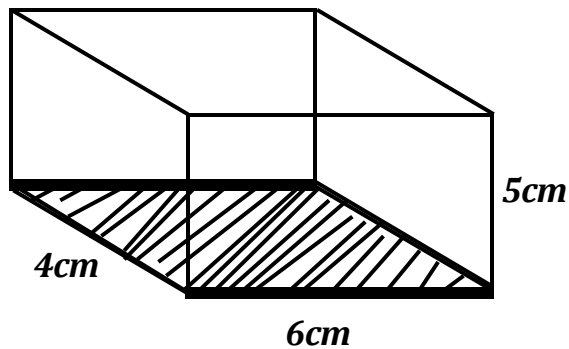(a) Find the number of boys. (*02 marks*)

(b) How many more girls than boys are there? (*02 marks*)

(c) $\frac{1}{5}$ of the boys have uniforms, how many boys do not have uniforms? (*01 mark*)

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

5cm

4cm

6cm

(a) How many vertices does it have? (*01 mark*)

(b) Find the number of faces. (*01 mark*)

(c) How many edges does it have? (*01 mark*)

(d) Calculate the area of the shaded part. (*02 marks*)
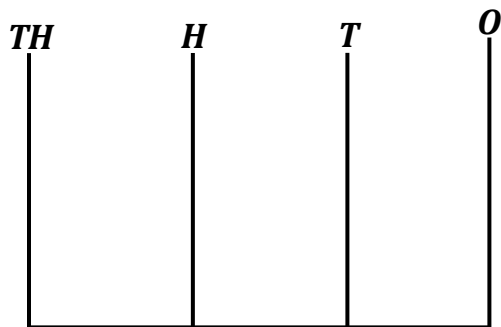
| 24 | (a) Find a single number for **6000 + 200 + 4**. (*02 marks*) |

(b) Expand **4326** using values. (*02 marks*)

(c) Draw beads to show the number **4502** on the abacus below. (*01 mark*)

TH   H   T   **O**

| 25 | *Apio bought the following items from a market.* |

2Kg of rice at Sh. 3,000 per Kg
1 Kg of meat at Sh. 8,000 per kg.
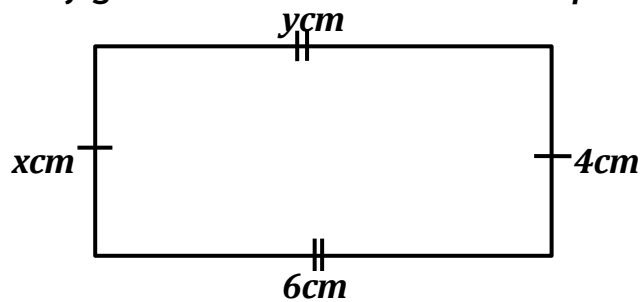*3 Kg of sugar at Sh. 3,400 per Kg.*

(a) Find her total expenditure. (*04 marks*)

(b) Calculate her balance if she had *Sh. 30,000*. (*02 marks*)

26 | *Study the figure below and answer the questions that follow.*

ycm

xcm

4cm

6cm

(a) Find the value of **y**. (*01 mark*)

(b) Find the value of *x*. (*01 mark*)

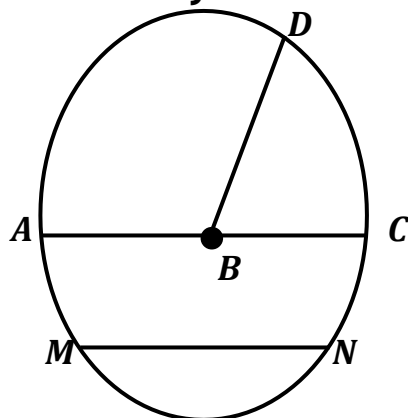(c) Find the area of the above figure. (*02marks*)

(d) Calculate its perimeter. (*02 marks*)

27 *The figure below is a circle. Study it and answer the questions that follow.*

(a) Name the line *AB* _____ (*01 mark*)

(b) Name the line *AC* _____ (*01 mark*)
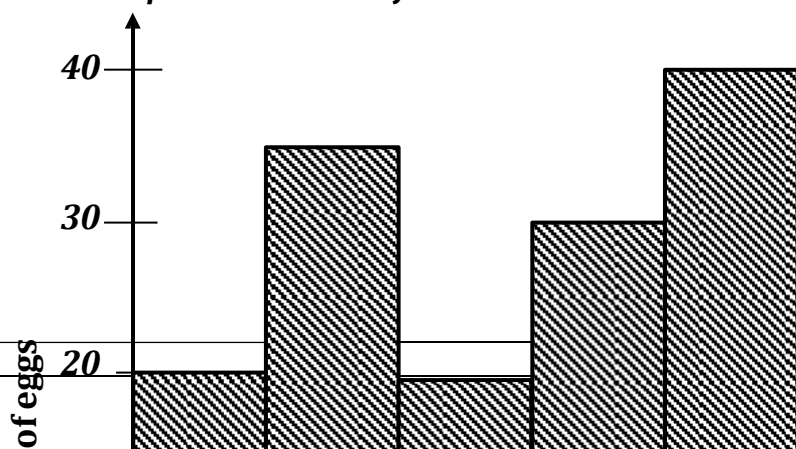
(c) Name the line *MN* _____ (*01 mark*)

(d) Name the shape *BCD* _____ (*01 mark*)

28 Andrew is *10 years* old, Mary is *5 years* older than Andrew.
(a) How old is Mary? (*02 marks*)

(b) Find their total age. (*02 marks*)

29 *The bar graph below shows a farmer collects his eggs in a week. Study it and answer the questions that follow.*

(a) On which day did he collect the biggest number of eggs? (*01 mark*)

(b) Which day did he collect the least number of eggs? (*01 mark*)

(c) If the farmer sold each egg at *Sh. 300* on Thursday, how much money did he receive? (*02 marks*)

(d) Write down two days he collected same number of eggs. (*02 marks*)

30	Use a ruler, a pencil and pair of compass only, construct a square whose side is *5cm*. (*05 marks*)

31	**Complete the boxes below.**

31 (a) ☐ **- 5 = 4** (*01 mark*)

(b) **6 +** ☐ **= 2** (*01 mark*)

(c) ☐ **÷ 3 = 3** (*01 mark*)

(d) ☐ **x 2 = 10** (*01 mark*)

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32 **Use >, < or = to complete the statements below.**

(a) **6 _____ 2** (*01 mark*)

(b) **1dozen _____ 12 items** (*01mark*)

(c) **0 x 9 _____ 3 x 3** (*02 marks*)