THE PRIME EXAMINATIONS 2023

PRIMARY FOUR BEGINNING OF TERM III

MATHEMATICS

Time allocated 2 hours 30 minutes

Name:...

Signature:...

School:...

District Name:...

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper has **two** sections: **A** and **B**. Section A has **20** questions (**40 Marks**) and Section B has **12** questions. (**60 Marks**)

2. Answer **ALL** questions. All the working for both sections **A** and **B** must be shown in the spaces provided.

3. **All** working **must** be done using a **blue** or **black** ball point pen or ink. Any work done in pencil other than on graphs and diagrams will **not** be marked.

4. **No calculators** are allowed in the examination room.

5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks.**

6. Do not fill anything in the table indicated "FOR EXAMINERS' USE ONLY"
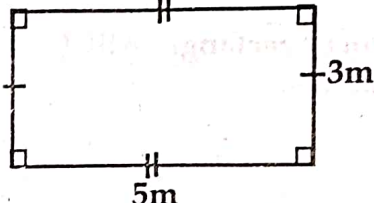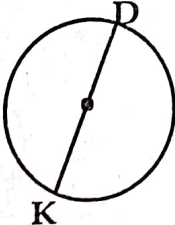
Turn Over

Section A. (40 Marks)

1. Work out: $\begin{array}{r} 3\ 7 \\ +1\ 0 \\ \hline \\ \hline \end{array}$

2. Write the place value of 3 in 7038.

3. Find the next number in the sequence.

9, 12, 15, 18, _____

4. Shade $\frac{1}{3}$ of the diagram below.

5. Fill in the missing number below.

$\boxed{} + 6 = 11$

6. Show 4:30 on the clock face below.

7. Write **XXIV** in Hindu Arabic numerals.

8. Draw a cone in the space provided below.

9. Given that **Set R = {b,i,r,d,s}**, find **n(R)**

10. Write **eight thousand three hundred five** in figures.

11. Which number is represented by

̶H̶H̶ ̶H̶H̶ ̶H̶H̶ ///?

12. Opoloti bought a toy car at **sh.3700**. He sold it at **sh.4300**. Find his profit.

13	Expand 4725 using values.	**14**	Use $>$, $<$ or $=$ to complete the statement below. $$\frac{3}{5} \underline{\hspace{1cm}} \frac{3}{4}$$

15	If ⊛ represents 3 balls, how many balls are represented ⊛ ⊛ ⊛ ⊛ ?

16	Change 5m to centimetres.	**17**	Find the area of the figure below.

3m
5m

18	Round off 408 to the nearest tens.	**19**	Multiply: $$\begin{array}{r} 3\ 0\ 4 \\ \times\quad\ 3 \\ \hline \end{array}$$

20	Name the line marked KD on the figure below.

Section B. (60 Marks)

21 Study the Venn diagram below and use it to answer the questions that follow.
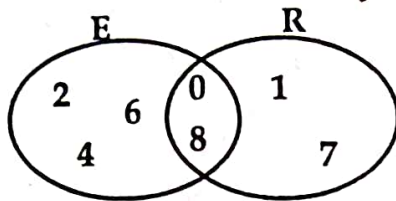
(a) List down the members of set R. **(01 mark)**

(b) Find n(E∪R) **(02 marks)**
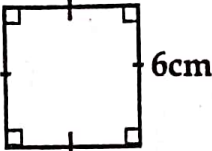
(c) Find E-R. **(02 marks)**

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22 Construct a rectangle ABCD in which AB=7cm and ~~B=4cm~~ BC=4cm using mathematical instruments. **(04 marks)**

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23 (a) Convert $2\frac{3}{4}$ to an improper fraction. **(02 marks)**

	(b) Work out: $\frac{7}{15} - \frac{3}{15}$	(02 marks)
	(c) Find the next two equivalent fractions of $\frac{3}{4}$.	(02 marks)
24	Use the figure below and answer the questions that follow. 6cm (a) How many right angles are in the figure above?	(01 mark)
	(b) Work out its area.	(02 marks)
	(c) Calculate the total distance around the figure.	(02 marks)
25	Shamasha is 23 years old. Tamson is 31 years old. (a) Who is older?	(01 marks)
	(b) Find their total age.	(02 marks)

(c) How old was Tamson 5 years ago? (02 marks)

26 Study the shopping list below and answer the questions that follow.

Item	Cost
A pencil	sh. 400
A mathematical set	sh. 2500
A pen	sh. 1000
A book	sh. 1500

(a) What is the cost of the cheapest item? (01 mark)

(b) Find the total cost of a pencil and a book. (02 marks)

(c) Calculate the total cost of all the items. (02 marks)

27 Draw the following shapes. (04 marks)

triangle	cuboid	rectangle	kite

28	Use ">", "<" or "=" to complete the statements below.	(02 marks each)
	(a) 1 dozen of pens _____ 12 pens.	
	(b) 5000gm _____ 50 kg	
	(c) 3 + 0 _____ 3 x 0	

29	(a) Find the LCM of 3 and 4.	(02 marks)
	(b) List down all the factors of 6.	(02 marks)
	(c) Write all the odd numbers less than 10.	(01 mark)

30	Use the digits, 3, 7 and 2.	
	(a) Write the biggest and smallest 3 digit numbers formed.	(02 marks)
	(b) Find the sum of the biggest and smallest 3-digit numbers formed.	(? marks)
	(c) Expand the smallest 3-digit number formed using place values.	(01 mark)

31	(a) Which number has been expanded to give, $(3 \times 1000) + (7 \times 100) + (1 \times 10) + (9 \times 1)$? *(01 mark)*
	(b) Write 246 in words. *(02 marks)*
	(c) Find the value of 2 in 5204. *(02 marks)*

(05 marks)

32 Use the table below to draw a bar graph correctly.

Classes	P.4	P.5	P.6	P.7	P.1
No of pupils	50	30	60	50	25

No. of pupils (vertical axis: 0, 10, 20, 30, 40, 50, 60)

Name of classes (horizontal axis: P.1, P.4, P.5, P.6, P.7)