



OUTREACH SCHOOLS EXAMINATIONS BOARD

BEGINNING OF TERM II EXAMINATION 2023

P.5 MATHEMATICS

Time Allowed: 2 hours 15 Minutes

Pupil's Name:

Class:

School Name:

Read the following instructions carefully:

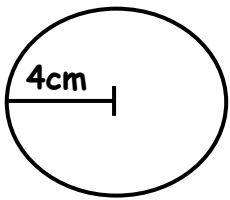
1. This paper has two sections: **A** and **B**
2. Section **A** has 20 short questions (40 marks)
3. Section **B** has 12 questions (60 marks)
4. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
5. All working must be done using a blue or black ball point pen or ink. Any work done in pencil will NOT be marked except drawings and diagram.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated
"For examiners' use only" and the boxes inside the question paper.

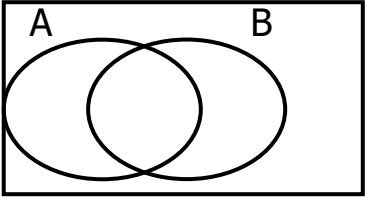


FOR EXAMINERS'		
USE ONLY		
Qn. No.	MARKS	EXR'S No.
1 - 10		
11 - 20		
21 - 30		
31 - 32		
TOTAL		

Turn Over

©2023 Outreach Schools Examination Board

SECTION A (40 marks)

1.	Add: $\begin{array}{r} 3 \quad 2 \\ + 1 \quad 5 \\ \hline \\ \hline \end{array}$	2.	Write 2018 in words.
3.	Express 29 as a Roman numeral.	4.	Change 3000 metres to kilometers.
5.	Work out $5 \times 8 \div 4$	6.	Find the diameter of the circle below. 
7.	Set $X = \{\text{all odd numbers between 10 and 20}\}$	8.	Write "a half past 8 o'clock in the evening" in figures.
9.	Fill in the missing number. $\square + 4 = 9$	10.	Change $\frac{9}{4}$ to a mixed number.
11.	Find the next number in the	12.	List down all the factors of 8.

	sequence.		
	5, 7, 11, 13, 17, _____		
13.	Take away $\frac{2}{7}$ from $\frac{7}{8}$	14.	Expand 768 using values.
15.	<div> <div>Add: Weeks</div> <div> <div>2</div> <div>4</div> <div>+</div> <div>1</div> <div>_____</div> <div>_____</div> </div> <div>Days</div> <div>4</div> <div>4</div> </div>	16.	A book costs sh.800. what is the cost of 3 similar books?
17.	Round off 786 to the nearest tens.	18.	Draw a kite in the space provided below.
19.	Shade set AUB on the venn diagram below. <div>  </div>	20.	Given that  represents 10 pens. How many pens are represented by 
SECTION B (60 MARKS) (Marks for each question are indicated in the brackets)			

21. Given that set $P = \{\text{first 6 letters of English alphabet}\}$ and

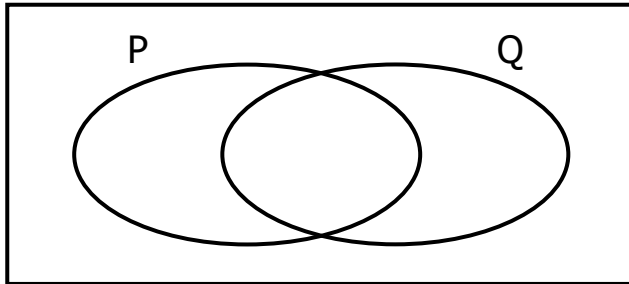
set $Q = \{a, e, i, o, u\}$

a) List down all elements of set P.

(2mks)

b) Use the above information to complete the Venn diagram below.

(3mks)



22. Alex planted 5,185 trees on Monday and 2,415 trees on Tuesday.

a) Find the total number of trees he planted for 2 days. (2mks)

b) What is the difference between the number of trees he planted for two days? (2mks)

23. a) Solve for; (2mks)

i) $\square + 4 = 10$

ii) $\square \times 3 = 12$

b) I think of a number, when I divide it by 3, I get 15 as the result. What is the number? (2mks)

24. a) Write the next two equivalent fractions to $\frac{2}{3}$. (2mks)

b) Add: $\frac{3}{9} + \frac{4}{9}$ (2mks)

c) Sandra had $\frac{8}{11}$ of a sugarcane and ate $\frac{3}{11}$ of it. What fraction of a sugar cane did she remain with? (2mks)

25. Given the digits 5, 2 and 4.
a) Form all the 3 – digit numerals that can be formed using the above digits. (3mks)

b) What is the sum of the biggest and smallest 3 digit numerals formed?
(2mks)

26. Use the magic square below to answer the questions that follow.

7	a	5
d	4	b
3	c	1

a) Find the magic sum. (1mk)

b) Find the value of;

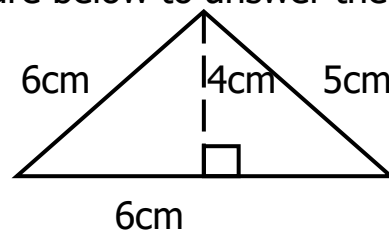
i) a

ii) b

iii) c

iv) d

27. Study the figure below to answer the questions that follow.

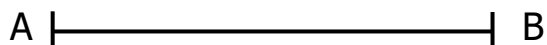


a) Name the figure drawn above. (1mk)

b) Work out its area. (2mks)

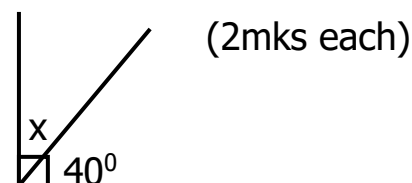
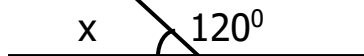
c) Calculate the total distance around the figure drawn above. (2mks)

28. a) Measure the length of line segment AB below. (1mk)



$\overline{AB} = \underline{\hspace{2cm}}$ cm

b) Find the size of angle marked x.



29. a) How many minutes make up 3 hours? (2 mks)

b) Subtract: Wks Days (2mks)

$$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$$















c) Add: Years Months (2mks)


$$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$$

30. Study the price list below and use it to answer the questions that follow.

	1 kg of meat at sh.10,000	
	1kg of rice at sh.3000 1 heap of tomatoes at sh.1,200 1 kg of maize flour at sh.2000	
	a) What is the most expensive item?	(1mk)
	b) How much can Paul pay for 2kg of maize flour and a kg of rice?	(2mks)
	c) Tom bought a heap of tomatoes and he was given a change of sh.800. How much money did he go with?	(2mks)
31.	a) List down all multiples of 3 between 10 and 30.	(2mks)
	b) Find the LCM of 4 and 6.	(2mks)

32. Use the pictograph below to answer the questions that follow.

Names	No. of trees planted
Suzan	      
John	  
Seth	
Peter	  

If  represents 10 trees.

a) Who planted the least number of trees? (1mk)

b) How many trees did Peter and John plant altogether? (2mks)

c) How many more trees did Suzan plant than John? (2mks)

"GOOD LUCK"