



# BROAD EXAMINATIONS®

## P.5 MATHEMATICS EXAMINATION

### MID – TERM II 2024

Time allowed: 2 hours 30 minutes

Pupil's Name: .....

School Name: .....

District Name: .....

**Read the following instructions carefully:**

1. This paper is made up of two sections: A and B.
2. Section A has **20** questions (**40 Marks**)
3. Section B has **12** questions (**60 Marks**)
4. Answer **ALL** questions in both sections A and B.
5. All answers must be written in the space provided in blue or black ball point pens and ink. **Only diagrams should be done in pencil.**
6. Unnecessary crossing of answers will lead to loss of marks.
7. Any handwriting, which cannot be easily read, may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated for Examiners' use only.

**Teacher's comment to the learner**

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**FOR EXAMINERS'  
USE ONLY**

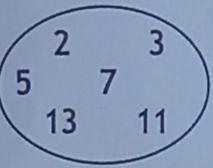
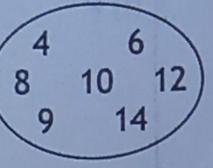
PAGES	MARKS	SIGN
Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Page 8		
<b>TOTAL</b>		

Approved by:

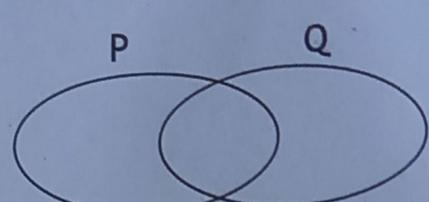
*Team Head Mathematics Dept.*

**SECTION.A. (40 MARKS)**

1.	Work out: $\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$	2.	Write "three hundred forty" in figures.
3.	Write "empty set" or "not empty set" for the following statements.  (i) A set of flying cows  (ii) A set of pupils learning	4.	Fill in the missing numbers. 95, 89, _____, 77, 71, _____, 59
5.	Change 0.5 to a common fraction.	6.	Express 210 minutes to hours.
7.	There are 16 members in Waiswa's family. Write Waiswa's family members using tallies.	8.	Measure the acute angle below.
9.	Johnbosco bought a mathematical set at sh.5000 and sold it at sh.5500. How much profit did he get after selling it?	10.	There are 16 girls and 18 boys in P.5 class at Skyline Primary School. Write the total number of pupils in the class in words.

11.	Work out: $\frac{3}{4} - \frac{2}{5}$	12.	Study the sets below and use them to answer the question that follow.
			<p>G</p>  <p>H</p>  <p>Which set has more members?</p>
13.	Emily has 14 picture books and 12 budget books. Write the total number of books in Roman numerals.	14.	Simplify: 7cows - 5cows + 3cows
15.	Use $>$ , $<$ or $=$ to complete the statement below. $\frac{4}{5} \underline{\hspace{2cm}} \frac{2}{3}$	16.	Write the morning time shown on the clock face below.
17.	Find the place value of 4 in the number $432_{\text{five}}$	18.	Name the shape below.
19.	Find the square of 8.	20.	Given that ♀ represents 6 boys, draw symbols to represent 18 boys.

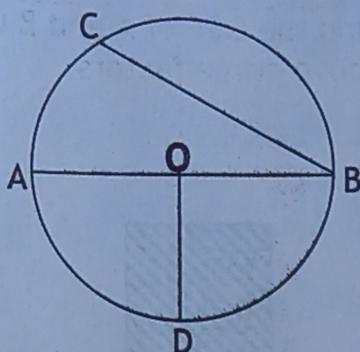
**SECTION .B. (60 MARKS)**

21.	<p>Given that set P = (multiples of 3 less than 18) and set Q = (all factors of 12)</p> <p>(a) List the elements of set;</p> <p>(i) P</p> <p>(ii) Q</p>																											
			(b) Represent the above sets on the venn diagram below.																									
																												
c)	<p>Find <math>n(P-Q)</math></p>																											
2.	<p>Work out:</p> <p>(a)</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">1</td> <td style="text-align: right;">3</td> <td style="text-align: right;">0</td> <td style="text-align: right;"><sub>five</sub></td> </tr> <tr> <td style="text-align: right;">+</td> <td style="text-align: right;">2</td> <td style="text-align: right;">4</td> <td style="text-align: right;"><sub>five</sub></td> </tr> <tr> <td colspan="4" style="border-top: 1px solid black; border-bottom: 1px solid black;"></td> </tr> </table> <p style="margin-left: 100px;">_____</p> <p>(b)</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">4</td> <td style="text-align: right;">2</td> <td style="text-align: right;">1</td> <td style="text-align: right;"><sub>five</sub></td> </tr> <tr> <td style="text-align: right;">-</td> <td style="text-align: right;">3</td> <td style="text-align: right;">3</td> <td style="text-align: right;"><sub>five</sub></td> </tr> <tr> <td colspan="4" style="border-top: 1px solid black; border-bottom: 1px solid black;"></td> </tr> </table> <p style="margin-left: 100px;">_____</p>			1	3	0	<sub>five</sub>	+	2	4	<sub>five</sub>					4	2	1	<sub>five</sub>	-	3	3	<sub>five</sub>					(06 marks)
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.	<p>Given the digits 2, 5, 0 and 6.</p> <p>Form the largest numeral using the digits above.</p>			(04 marks)																								
.	<p>(b)</p> <p>Write the smallest numeral formed using the above digits.</p>																											
	<p>Find the sum of the smallest and largest numerals formed above.</p>																											

24.	<p>Arrange 0.2, 2.2, 0.02, 2.02 starting with the smallest.</p>
25.	<p>Using a ruler, a pencil and a pair of compasses only, construct rectangle DCEB where DC = 6cm and CE = 4cm. (05marks)</p>
26.	<p>Find the missing numbers. (04 marks)</p> <p>(a) <math>\boxed{\phantom{0}} + 7 = 13</math></p> <p>(b) <math>19 - \boxed{\phantom{0}} = 6</math></p>
(c)	<p><math>\boxed{\phantom{0}} \times 8 = 40</math> (06 marks)</p>

27.	Given that $F_A = \{2_1, 3_1, 7_1\}$ $F_B = \{2_1, 2_2, 2_3, 3_1\}$																										
(a)	Find the value of; (i) A  (ii) B		(b)	Find the GCF of A and B using the above prime factors.																							
				(06 marks)																							
28.	Complete the bill table below correctly.																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Item</th> <th style="text-align: left; padding: 2px;">Quantity</th> <th style="text-align: left; padding: 2px;">Unit cost</th> <th style="text-align: left; padding: 2px;">Amount</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">soda</td> <td style="padding: 2px;">4 bottles</td> <td style="padding: 2px;">sh.1000</td> <td style="padding: 2px;">sh._____</td> </tr> <tr> <td style="padding: 2px;">bread</td> <td style="padding: 2px;">2 loaves</td> <td style="padding: 2px;">sh.5500</td> <td style="padding: 2px;">sh._____</td> </tr> <tr> <td style="padding: 2px;">biscuits</td> <td style="padding: 2px;">5 packets</td> <td style="padding: 2px;">sh.500</td> <td style="padding: 2px;">sh._____</td> </tr> <tr> <td style="padding: 2px;">juice</td> <td style="padding: 2px;">1 litre</td> <td style="padding: 2px;">sh.3000</td> <td style="padding: 2px;">sh._____</td> </tr> <tr> <td colspan="3" style="text-align: right; padding: 2px;">Total Expenditure</td><td style="padding: 2px;">sh._____</td></tr> </tbody> </table>				Item	Quantity	Unit cost	Amount	soda	4 bottles	sh.1000	sh._____	bread	2 loaves	sh.5500	sh._____	biscuits	5 packets	sh.500	sh._____	juice	1 litre	sh.3000	sh._____	Total Expenditure			sh._____
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29.	In a church service attended by 100 people, $\frac{2}{5}$ were males and the rest were females.																										
(a)	Find the fraction of females.		(b)	How many more females than males attended the service?																							
				(05 marks)																							

30. Study the circle below and answer questions that follow.



(a) Name lines marked;  
(i) AB

(ii) OD

(iii) BC

(b) If line  $OD = 5\text{cm}$ , find length AB.

(05 marks)

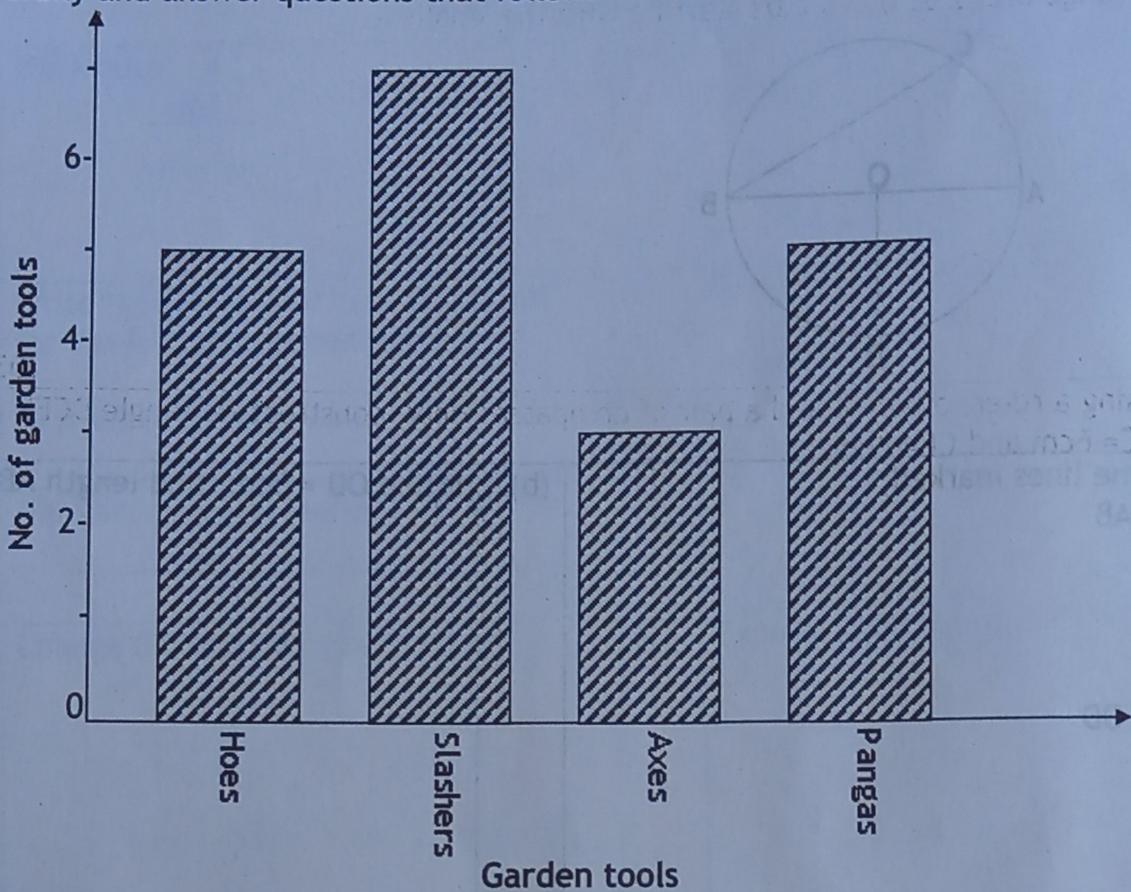
31. (a) In the last holidays, Linius took 4 hours reading her books in the morning and  $2\frac{1}{2}$  hours in the evening everyday. How long did she take digging daily?

(b) Subtract:

	Days	Hours
	4	17
	- 1	10
		<hr/>

(04 mark)

32. The bar graph below shows number of garden tools in the school store. Study it carefully and answer questions that follow.



- (a) How many hoes are in the store?
- (b) Which two garden tools have the same number?
- (c) How many more slashers than axes are there?
- (d) Find the average number of garden tools that are in the store.

(06 marks)

END