

# THE CANAAN EXAMS BOARD 2023

## PRIMARY SEVEN MATHEMATICS BEGINNING OF TERM I (ABRIDGED CURRICULUM)

Time allowed 2 hours 30 minutes

Pupil's Name: .....

Class: .....

School: .....

District: .....

### READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. The 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 section **A** and **B**.
5. All working **must** be done using a **blue** or **black ball** Point or fountain pen. Only diagrams should be drawn In pencil. Any work done in pencil will not be marked.
6. No calculators are allowed in the Examination room.
7. Unnecessary changes of work and any handwriting that cannot be easily read may lead to **loss** of marks.
8. Do not fill anything in the boxes indicated "**FOR EXAMINERS' USE ONLY**"

### TERM I WORK

- **THEME 1: SET CONCEPTS**
- **THEME 2 NUMERACY**
- **TOPIC :WHOLE NUMBERS**
  
- **THEME: GEOMETRY**
- **TOPIC 1: LINES, ANGLES AND GEOMETRIC FIGURES**
- **THEME: NUMERACY**
- **TOPIC 5: INTEGERS**

### FOR EXAMINERS' USE ONLY

SECTION:	Subject Tr's marks	Head of Dept's Assessment Marks	Supervisor's Final Assessment Marks
A: 40			
B: 60			
TOTAL: Out of 100			

Teacher's comment to the learner

**Organized by: EMMY .O.**

**APPROVED:**

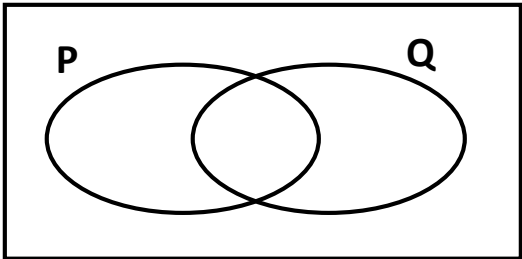
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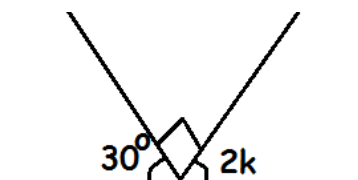
PUBLISHERS OF: -

Consultant  
Mathematics Department (PEC)


**SECTION A**

1.	Workout: $154 + 325$	2.	Write 149 in Roman numerals
3.	Shade $(P \cup Q)^I$ on the Venn diagram below. 	4.	Solve for y: $7y + 2 = 23$ .
5.	Using a ruler, a pair of compasses and a pencil only. Construct an angle of $120^\circ$ .	6.	Find the next two numbers in the sequences.  1, 4, 9, 16, 25, _____, _____

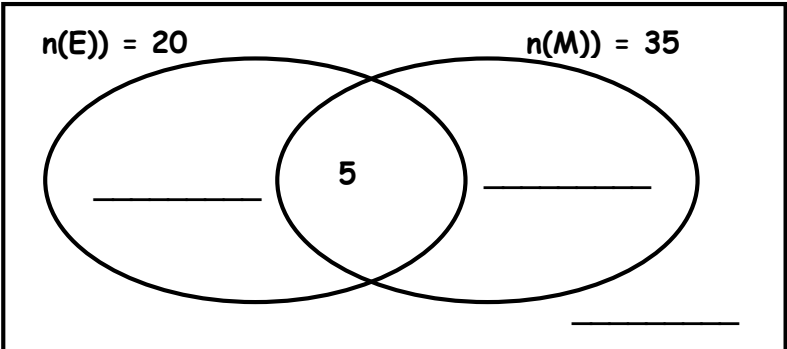
7.	3 books cost sh.5000. How much money will peter pay for 6 similar books?	8.	Increase 1,200 bags of cement by 30%.
9.	Workout: $(3 \times 150) - (50 \times 3)$ Using distributive property only.	10.	How many milliliters are in $2\frac{1}{2}$ litres?

11.	The average age of 4 men is 45 years. Find the total age.	12.	Today is Thursday, what day of week will it be after 31 days.
13.	Workout: $537 \times 14$ using lattice method	14.	Find the value of k 

15.	Find the HCF of 12 and 18	16.	Express 72km/hr as metres per second.
17.	Convert $1101_{\text{two}}$ to a decimal base.	18.	Round off 35.98 to the nearest tenths.

19.	Simplify: $4k - y + 2k - 2y$	20.	<p>Given that  represents 5 flowers. Draw pictures to represent 20 flowers.</p>

### SECTION B

21.	<p>In a class of 58 pupils, 20 pupils like English (E), 35 pupils like Maths (M), 5 pupils like both subjects and 2y pupils like none.</p> <p>a) Complete the Venn diagram below. (5 marks)</p> <div style="text-align: center; margin: 20px 0;">  </div> <p>b) Find the value of y</p>
22.	<p>a) The sum of three consecutive natural numbers is 36. Find the numbers (5 marks)</p>

b) Workout their range.

23. In a village of 600 farmers, 40% grow beans and the rest grow maize. (6 marks)

a) Find the percentage of farmers who grow maize.

b) How many farmers grow beans?

c) How many more farmers grow maize than beans?

24. Study and complete the shopping bill table below.

Item	Quantity	Unit cost	Amount
Sugar	_____kg	Sh.4,000	Sh.12,000
Rice	$1\frac{1}{2}$ kg	Sh.6,000	Sh._____
Soap	2 bars	Sh. _____	Sh.7,000
Salt	500	Sh.2,000	Sh._____
Total expenditure			Sh. _____

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25.	<p><b>Sarah, Dan and Tom shared 240 books in a ratio of 1:3:4 respectively.</b></p> <p style="text-align: right;"><b>(5 marks)</b></p> <p>a) How many books did each get?</p>          <p>b) Express Tom's share as a percentage.</p>
26.	<p>Using a ruler, a pencil and a pair of compasses only. Construct an equilateral triangle in a circle of radius 3.5cm</p>

27. The table below shows the marks scored by P.6 pupils in a test.

Marks	20	70	30	40
Number of pupils	1	3	1	1

a) How many pupils did the test.

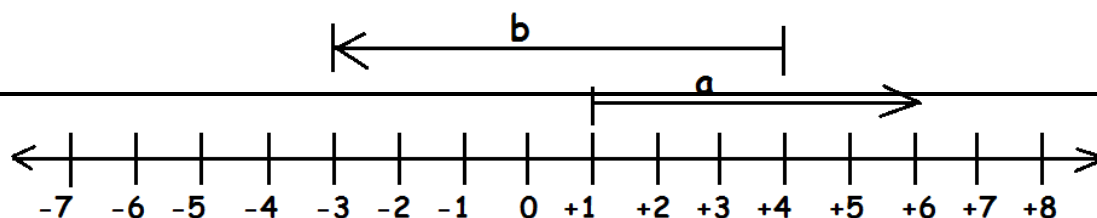
b) Find the median mark

c) Find the average mark.

28. Simplify:  $\frac{0.24 \times 0.4}{0.6 \times 0.2}$

b) What number has been expanded to give  
 $(5 \times 10^2) + (9 \times 10^0) + (3 \times 10^{-2})$

29. Study the number line below and use it to answer questions.



a) What integers are represented by letters.

a = \_\_\_\_\_

b = \_\_\_\_\_

c = \_\_\_\_\_

b) Find the additive inverse of  $-5$ .

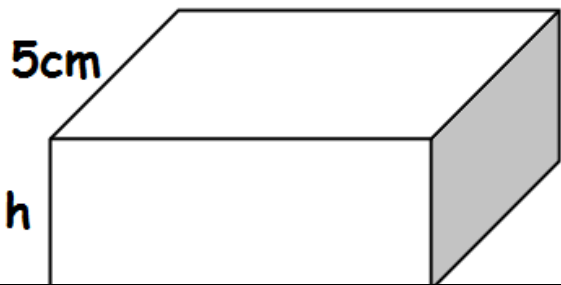
30. **At St. Immaculate P/S, two bells are rang at intervals of 30 minutes and 40 minutes to change lessons respectively.**

a) After how many minutes will the two bells take to ring together?

b) If the first rang together at 8:30a.m, at what time willt hey ring together again?



31.	<p><b>Mr. Musoke deposited sh.60,000 in a bank at a simple interest of 12% per annum.</b></p> <p>a) Calculate the simple interest he got after a period of 2 years.</p> <p>b) How much money did he get after 2 years?</p>

32.	<p><b>The diagram below shows a prism</b></p> 
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a) Find the value of  $h$  if the volume of  $120\text{cm}^3$ .

b) Find the area of the shaded region.

END