Time allowed 2 hours 30 minutes

INDEX NO.: ☐☐☐☐☐☐ ☐☐☐

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: SETS*
> ➤ *TOPIC 1: SET CONCEPTS*
> ➤ *THEME 2: NUMERACY*
> ➤ *TOPIC 2: WHOLE NUMBERS*
> ➤ *TOPIC 3: OPERATIONS ON WHOLE NUMBERS*
> ➤ *TOPIC 4: NUMBER PATTERNS AND SEQUENCES*

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

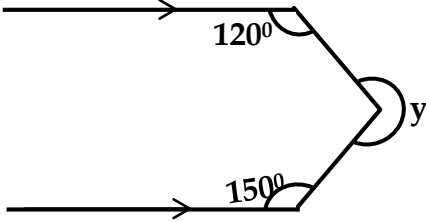| |
|---|
| |

Organised by:

APPROVED:
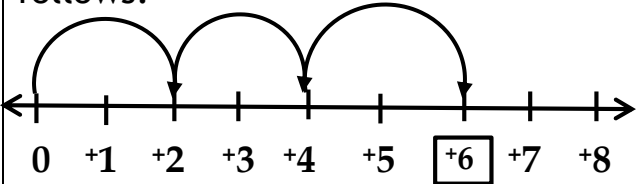
Consultant
Mathematics Department (PEC)

Turn Over   **Page 1**

Section A(40 Marks)

1	Divide: $9 \div 3$	6	Simplify: $2w - w + 4w + w$

2	Write "**Seventeen thousand nine hundred thirty six**" in figures.	7	The LCM of two numbers is 60 and their GCF is 3. If one of the two numbers is 12, find the other number.

3	Calculate the speed of a driver who covered **91km** in **7 hours.**

8	Calculate the perimeter of a square whose area is 36cm^2

4	Express 1011_{two} into base three

9 | Find the value of y in the figure below.

5	Divide: $\dfrac{2}{3} \div \dfrac{1}{9}$

10	The circumference of a circle is **88dm.** Find the diameter of the circle.	14	Study the numberline below carefully and use it to answer the question that follows. 0 +1 +2 +3 +4 +5 +6 +7 +8 Write the multiplication statement represented on the above numberline.
11	The range of two numbers is 9. If the smaller number is 3, find the bigger number.	15	In a class of **90** pupils, **60%** of them are girls and the rest are boys. How many boys are in the class?
12	Solve for d: $\dfrac{2d}{3} + 5 = 9.$	16	Given that set $M = \{b, o, x\}$, list all the subsets of set M.
13	In a line of girls, Christine was the tenth from the either side of the line. How many girls were in the line?	17	Nalubega went to the market with **3 notes** of **sh.2000**, **5 coins** of **sh.200** and other **4 coins** of **sh.500**. How much did she have altogether?

18	Arrange the integers; ⁺2, ⁺5, ⁺3, ⁻4, and ⁺1 in order starting from the smallest to the biggest.	19	Express **180km/hr** in **m/s**

20 The bar graph below represents the number of eggs collected from Mr. Otims's farm in a week. Study it carefully and use it to answer the question that follows.
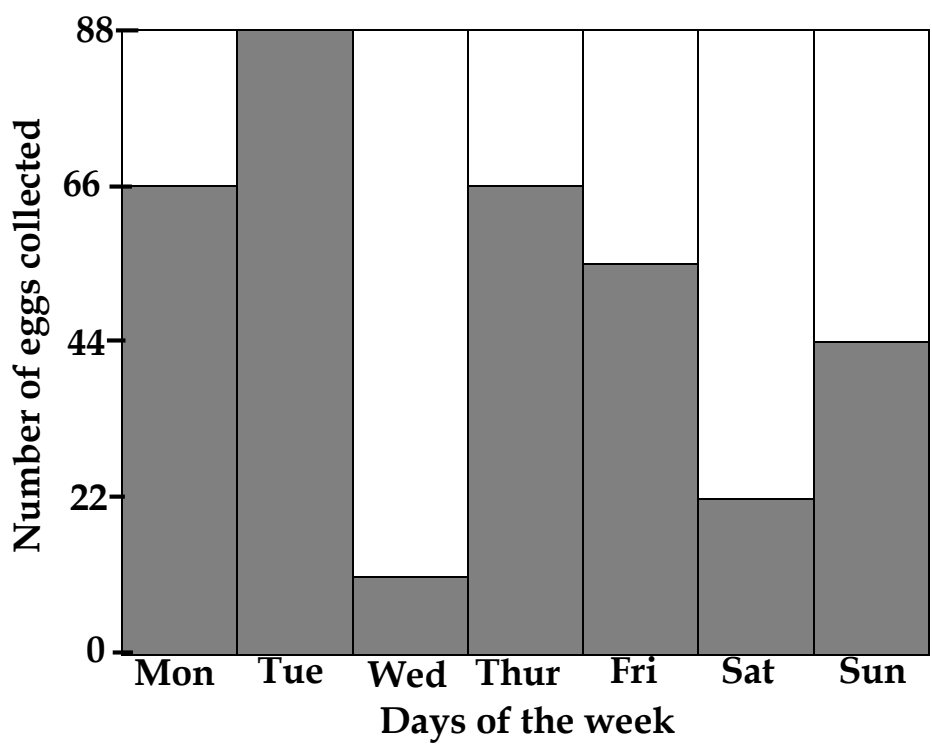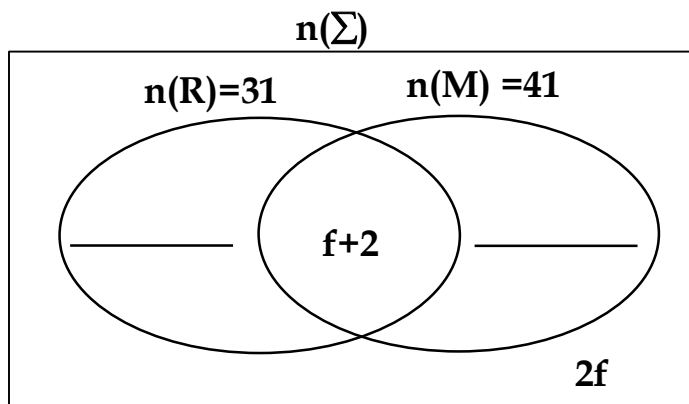

How many eggs were collected from the farm throughout the week?

21	(a) Find the sum of the value of **2** and **6** in **86328**.	*(03 marks)*
	(b) Write 634.57 in expanded form.	*(02 marks)*

22	In a village of farmers, **31** grow rice(R), **41** grow maize(M), **(f+2)** grow both rice and maize while **2f** grow none of the two crops.

(a) Complete the Venn diagram below. *(02 marks)*

n(∑)

n(R)=31   n(M) =41

f+2

2f

(b) If **50** farmers grow only **one type of crops**, find the value of f. *(03 marks)*

23	Match the following correctly.

Name of shapes   Nets of shapes

Rectangular pyramid

Cuboid

Triangular prism

Cylinder

---
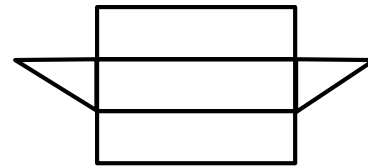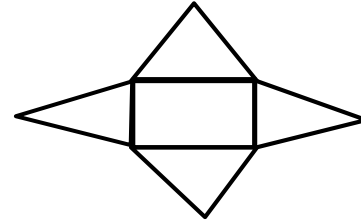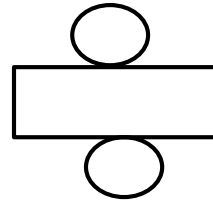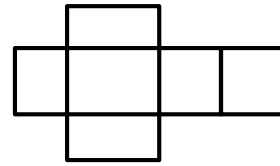
24. A truck weighs **2.2 tonnes** when empty and it weighs **6.2 tonnes** when full of stones.

(a) Find the weight of stones in the truck. *(02 marks)*

(b) Calculate the weight of the truck when **½** full of stones. (03 marks)

25	(a) Using a pencil, ruler and a pair of compasses only, construct a triangle **PQR** where **PQ = 7cm**, angle **QPR = 90⁰** and line **QR = 10cm**. *(04 marks)*
	(b) Measure angle **PQR**. *(01 mark)*
26	Eric went to the supermarket with sh.70,000 and bought items as shown in the table.

(a) Complete the table. *(05 marks)*

Item	Quantity	Unit cost	Amount
Apples	*__apples*	*sh.1200*	*sh.6000*
Milk	*7 litres*	*sh.3000*	*sh._____*
Beans	*2 kgs*	*sh._____*	*sh._____*
sets	*2 dozens*	*Sh._____*	*Sh.48,000*
Total expenditure			*Sh.72,000*

(b) If he was given a discount of 10%, calculate his change. *(01 mark)*

27	(a) Convert 0.2727... to a vulgar fraction *(03 marks)*
	(b) Work out $\dfrac{0.9 \times 0.4}{0.003}$ *(02 marks)*
28	A pupil read a story book in four days. She read 2 more pages each day than the previous day. If she read 68 pages altogether in the 4 days, how many pages did she read on the first day? *(04 marks)*

© CANAAN EDUCATIONAL Consult 2023. TEL: 0780476504, 0774499986, 0784499856, 0785402928   Page8
THE CANAAN P7 MATHEMATICS TERM I EXAMINATIONS 2023 SET V.
FOR ACADEMIC EXCELLENCE, ALWAYS USE THE EMMY'S; SCHEMING FRAMEWORKS, HOLIDAY PACKAGES,
LESSON COURSE BOOKS AND PUPILS' WORKBOOKS.

29	Below is a cuboid. Study it carefully and use it to answer the questions that follow.

20cm   12cm   h
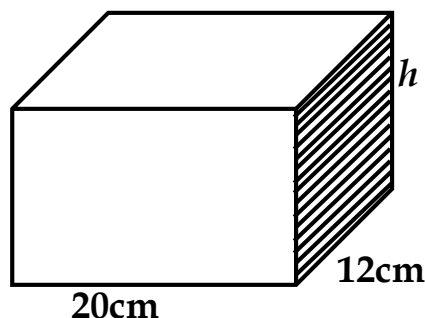
(a) If the **area** of the **shaded face** is **360cm²**, find the height *(h)* of the cuboid.

(03 marks)

(b) Calculate the capacity of the cuboid when $\frac{2}{3}$ full. *(03 marks)*

30	Agness left Masaka at **6:30am** and travelled to Kampala at a steady speed of **80km/h** for **3 hours**. He rested for **an hour** in Kampala and returned to Masaka.

(a) Find the distance from Masaka to Kampala. *(02 marks)*

(b) At what **speed must she drive** her car from Kampala in order to reach Masaka by **12:30pm?** *(04 marks)*

31	(a) Find the **LCM** of **20** and **30**. *(03 marks)*

(b) Find the next number in the sequence. *(02 marks)*
   4, 6, 8, 9, 10, _____

32	The bar graph below shows pupils at Star light primary school. Study it carefully and use it to answer the questions that follow.

Represents boys

Represents girls
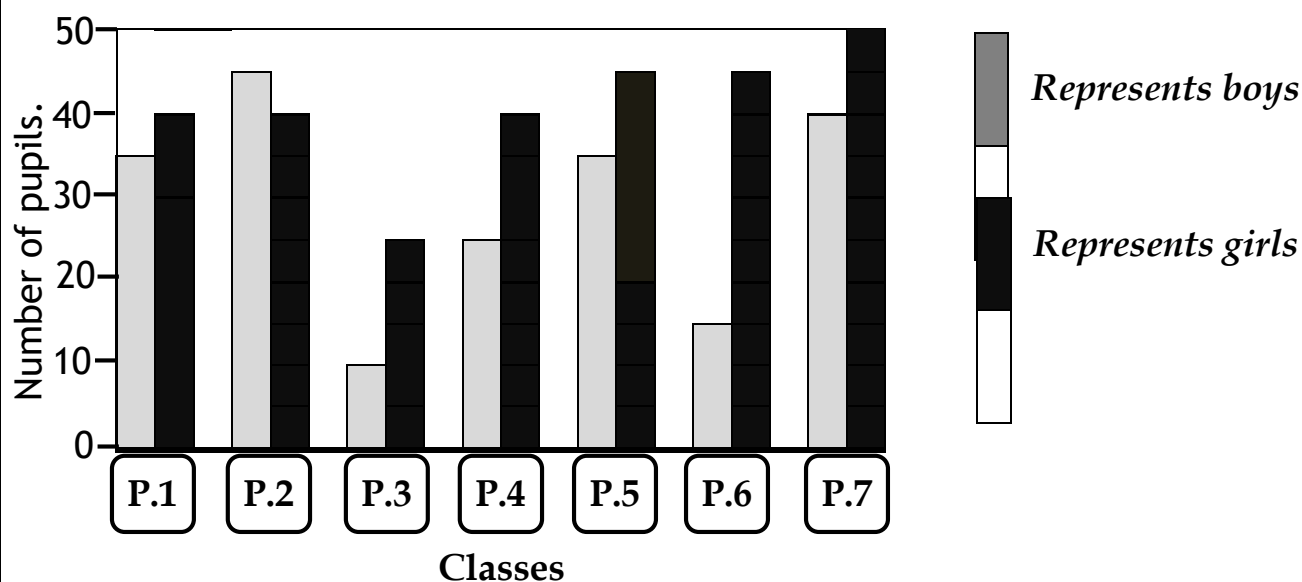
(a)Which class has more boys than girls? *(01 mark)*

(b) Which classes have the same number of boys? *(01 mark)*

(c) Express the number of boys in P.1 class as a percentage of **P.7 girls**.
(02 marks)

(d) How many pupils are in **P.2** and **P.7**? *(02 marks)*