

NAMAGUNGA PRIMARY BOARDING SCHOOL

PRE-PRIMARY LEAVING EXAMINATION (SET 3)

PRIMARY SEVEN - MATHEMATICS

Time allowed: 2 Hours 30 Minutes

Index No.

EMIS NO.						PERSONAL NO.		

CANDIDATE'S NAME:

CANDIDATE'S SIGNATURE:

STREAM:

Read the following instructions carefully:

1. This paper has **two** Sections: **A** and **B**.
2. 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 fountain pen. Any work done in pencil other than graphs, pictures and diagrams will not be marked.
4. No calculators are allowed in the examination room.
5. Unnecessary changes of work may lead to loss of marks.
6. Any hand writing that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the boxes indicated "For Examiner's Use Only".

SECTION	EXAMINER'S MARKS	T/L MARKS
A		
B		
TOTAL		

"For Examiner's Use Only"

FOR EXAMINER'S USE ONLY		
QN. NO	MARKS	SIGN
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

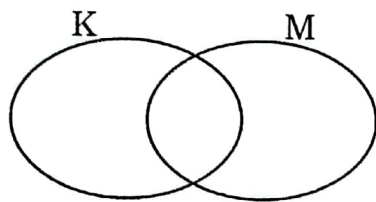
SECTION A (40 marks)

1. Work out: 30×2

2. Find the number whose scientific notation is given below .

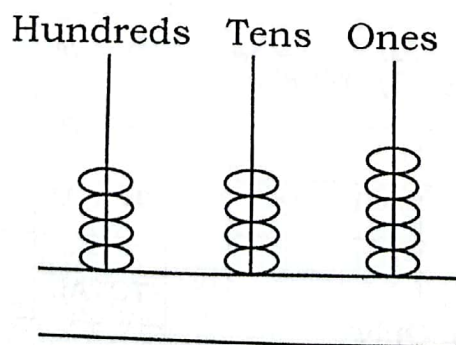
$$6.434 \times 10^2$$

3. Shade $M - K$ on the Venn diagram below .

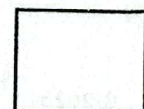


4. Work out: $2 - 4 = \underline{\hspace{2cm}}$ (mod 5)

5. Write the number shown on the abacus below .



©2023



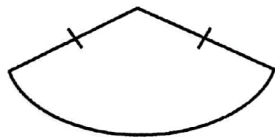
2

6. Simplify : $\frac{3}{4} + \frac{1}{4}$

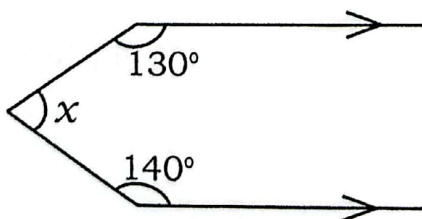
7. Find the largest number of boys who can share 30 or 40 oranges without leaving any remainder .

8. Katumba bought $3\frac{1}{4}$ dozens of books at sh. 78,000 . Find the cost of 3 similar books .

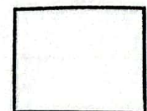
9. Name the solid shape whose net is shown below .



10. Find the value of angle x in the figure below .

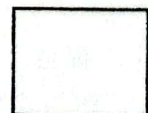


©2023

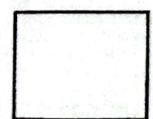


3

11. Mukalazi came back from Entebbe International airport at eight minutes to midnight. Express this time in 24 hour clock system.
12. If $k = 8$ and $w = 6$, find the value of $\frac{w + k}{k - w}$
13. The average of 3, 8, m , 15 and 18 is 11.
Find the value of m .
14. Express $12\frac{1}{2}\%$ as a decimal fraction.
15. Simplify $-2 + +9$



16. Kauma is standing facing Southeast direction. If she turned anticlockwise through an angle of 135° . Find her new direction.
17. Convert 146.5 kg to grams and write your answer in words .
18. Solve: $3(p - 2) = 6$
19. In a group of 90 pupils, 60% are boys and the rest are girls .
How many girls are there ?
20. Multiply : $64_{\text{eight}} \times 7 =$



SECTION B (60 MARKS)

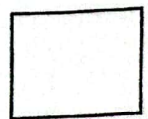
21. The table below shows Ronald's shopping bill .

Item	Quantity	Unit cost	Amount
Sugar	$2\frac{1}{2}$ kg	Sh. 4,800	sh.
Rice	$2\frac{1}{2}$ kg	Sh.	sh. 11,500
Salt kg	Sh. 1,200	sh. 900
Total Expenditure			sh.

(a) Complete the table .

(4 marks)

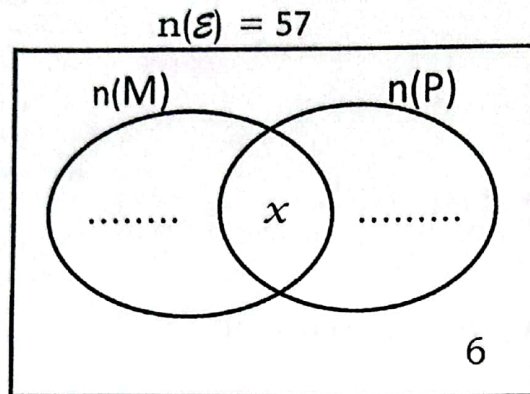
(b) If he was offered a discount of sh. 3,200 , find his percentage discount .
(1 mark)



22. At a party attended by 57 guests, 35 ate meat(M), 33 ate peas(P), x ate both dishes while 6 ate none of these .

(a) Complete the Venn diagram below .

(2 marks)



(b) Find the number of guests who ate both dishes . (2 marks)

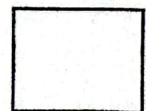
(c) How many guests ate only one type of dish .

(1 mark)

- 23(a) What is the difference between the value of 8 and the value of 6 in 78546 ? (3 marks)

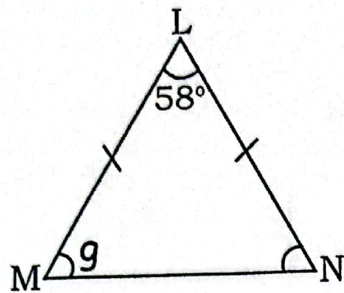
(b) Round off 4983 to the nearest hundreds .

(2 marks)



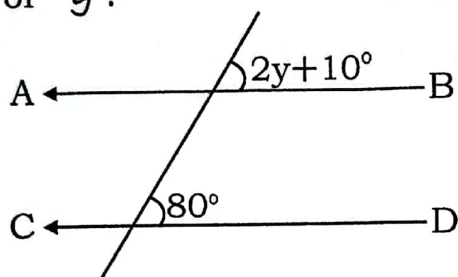
24(a) Work out the value of g in triangle LMN .

(3 marks)



(b) In the figure below, AB is parallel to CD . What is the value of y .

(2 marks)



25. Angel is 14 years younger than Cathy. In 5 years time, Cathy will be thrice as old as Angel .

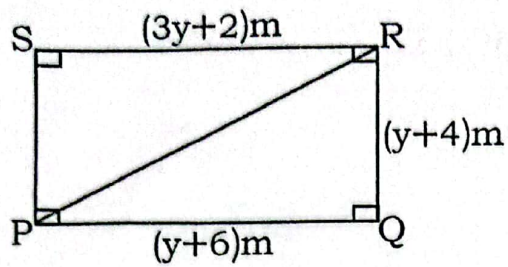
(a) How old is Angel now ?

(3 marks)

(b) How old will Cathy be in 5 years time ?

(1 mark)

26. The figure below is a rectangle PQRS.



(a) Work out the value of y .

(2 marks)

(b) Find the length of \overline{PR} ?

(4 marks)

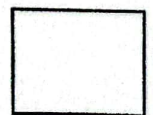
27. A motorist covered a journey from town A to town B in 3 hours at 80km per hour. He then covered the remaining journey to town C in 2 hours at 75km per hour.

(a) What is the distance between towns A and C?

(3 marks)

(b) Calculate the motorist's average speed for the whole journey.

(2 marks)



28(a) Using a ruler, a pencil and a pair of compasses only, construct triangle BCD in which $\overline{CB} = 8\text{cm}$, $\overline{BD} = 7\text{cm}$ and angle $\text{CBD} = 60^\circ$. Drop a perpendicular line from point D to meet \overline{BC} at M. (5 marks)

(b) Measure : \overline{DM} _____

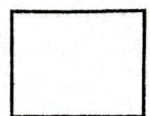
(1 mark)

29(a) Express 9 minutes as a percentage of $\frac{3}{4}$ hrs.

(2 marks)

(b) Work out :
$$\frac{34.1 - 19.7}{0.6 \times 0.8}$$

(3 marks)



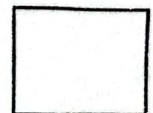
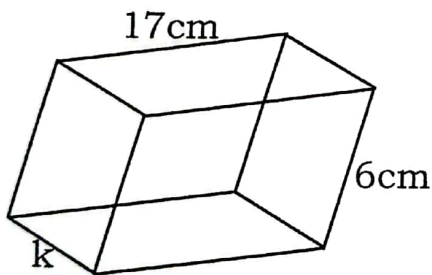
30(a) What number has been expanded to give :
 $(8 \times 10^3) + (2 \times 10^2) + (9 \times 10^0)$?

(2 marks)

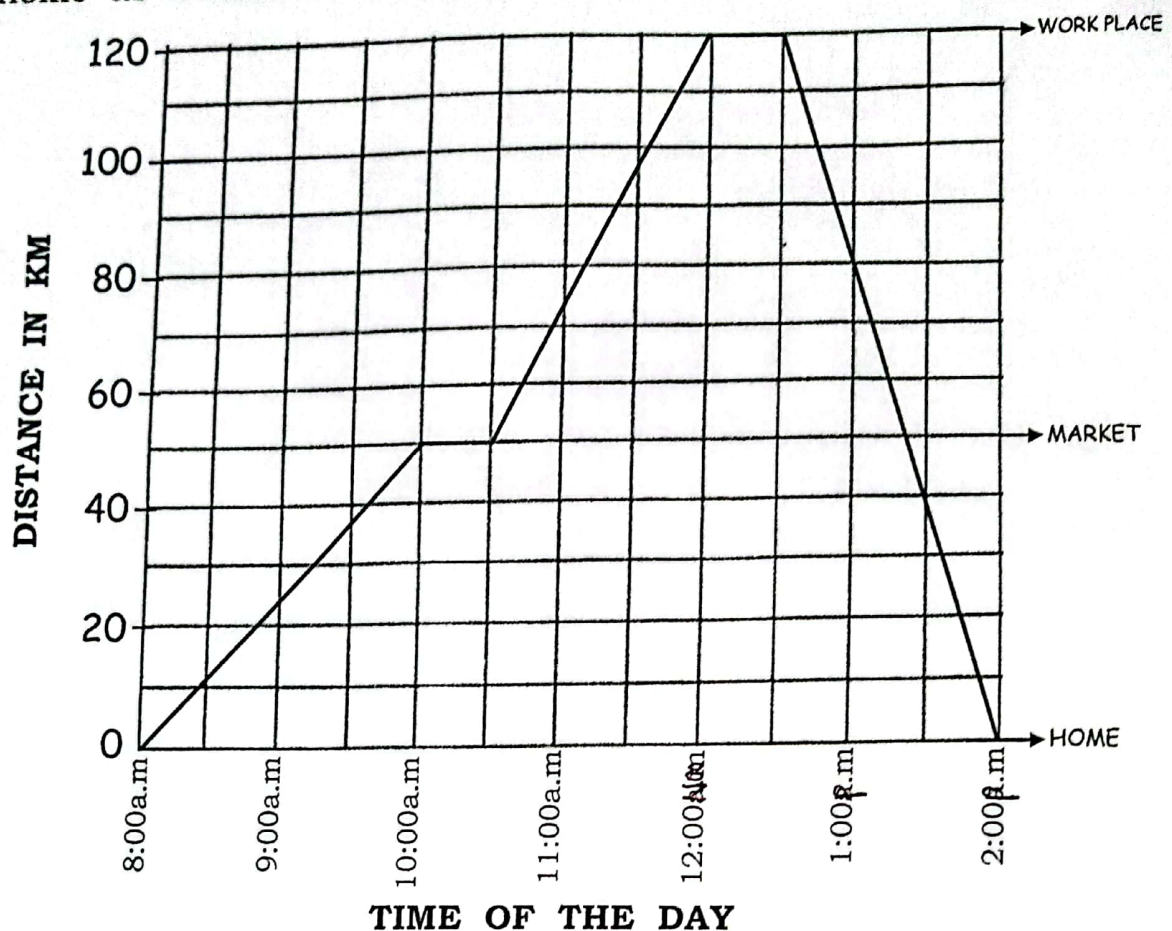
(b) Use distributive property only to work out .
 $(7.34 \times 47) + (7.34 \times 53)$?

(2 marks)

31. The volume of the cuboid below is 918cm^3 . Find its total surface area .
(05 marks)



32. A teacher travelled from his home to his workplace and back home as indicated in the travel graph below .



- (a) State the scale on the ; (1 mark @)
- (i) vertical axis
- (ii) horizontal axis
- (b) How many stopovers did he make ? (1 mark)
- (c) What speed did he use between the market and his workplace ? (1 mark)
- (d) Calculate the average speed for the whole journey while travelling. (2 marks)