

SMILE EDUCATION CONSULTANCY BUSUNJU
WELCOME TO PRIMARY SEVEN SET
PRIMARY LEAVING SIX TO SEVEN EXAMINATIONS - 2024
MATHEMATICS
TIME ALLOWED: 2HOURS 30MINUTES

CANDIDATE'S NAME:

CANDIDATE'S SIGNATURE:

SCHOOL NAME:

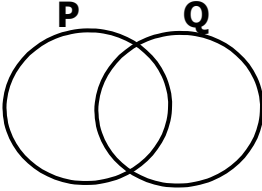
DISTRICT NAME:

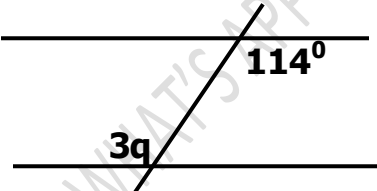
Read the following instructions carefully.

1. Do not open the booklet until you are told to do so.
2. This paper has got **two** sections: **A** and **B**.
3. Section **A** has **20** questions (**40marks**) and Section **B** has **12** questions (**60mks**)
4. Answer **ALL** questions. All answers to both sections **A** and **B MUST** be written in the spaces provided.
5. **All** answers must be written using a **blue** or **black** ball point pen or **ink**. Diagrams should be drawn in pencil.
6. **Un necessary** alteration of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.

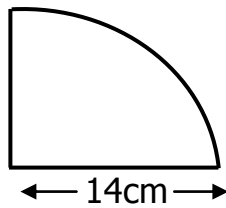
FOR EXAMINER'S USE ONLY

SECTION A		Total (%)
SECTION B		

1.	Add: $0.36 + 0.2$	2.	If a = 8, b = 7 and c = 5, Work out $\frac{\mathbf{a + b}}{\mathbf{c}}$
3.	Given P = {a, b, c, d, e, f}, find n(P)	4.	Find the square root of $\frac{16}{25}$
5.	Work out: $\frac{\mathbf{0.4 \times 0.16}}{\mathbf{0.4}}$	6.	Shade (Q – P) ¹ on the Venn diagram below. 

7.	Moses bought a geometry set at 2,000/= and sold it at 2,500/= . Find his percentage profit.	8.	Simplify: $^{-}4 + 10$.
9.	Express 2407 in scientific form.	10.	Find the value of q in the figure. 
11.	Write down the next number in the following pattern. 3, 3, 4, 6, 9, _____	12.	In a tin there are 9 red pens, 3 black pens and 4 blue pens. What is the probability of picking a blue pen from the tin?

13. Find the circumference of the figure below (Take $\pi = \frac{22}{7}$)



14. Express **20m/sec to km/hr.**



15. John, Musa and Mable shared **180,000/=** in the ratio **2:3:4** respectively. How much money did each one get?

16. Using a ruler, pair of compasses and a sharp pencil, construct an angle of **75°**.

17. Set **N** = { a, e, i, o, u }. How many proper subsets has set **N**?

18. Round off **5.268** to the nearest whole number.

19. **Express 149** in Roman numerals.

20. Amos deposited **120,000/=** in a bank which offers 2% per month for a period of 6 months. How much money will he get back?

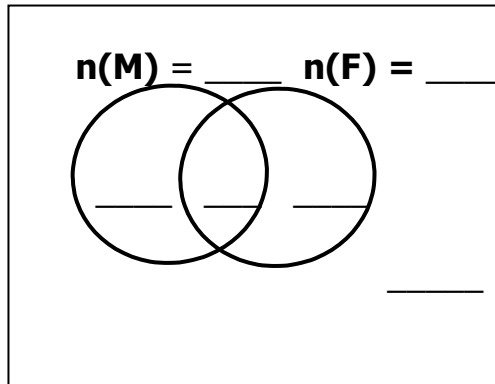


SECTION B

21. In a class of **25** pupils, **13** like Marinda (**M**), **14** like Fanta (**F**), **X** like both Mirinda and Fanta and **2** like none of the drinks.

a) Represent the information on the Venn diagram below.

$$n(\varepsilon) = 25$$



($\frac{1}{2}$ mk each)

b) Find the value of **X**

(2mks)

c) Find the number of pupils who took only one type of soda.

- 22 a) Jonathan went to the market with **Shs. 20,000** to buy items shown in the table below. Use it to answer the questions that follow. (2mks)

ITEM	QUANTITY	UNIT COST	AMOUNT
beans	3 kgs	700/= per kg	2,100/=
sugar	500gm	3,600/= per kg	_____
meat	_____ kg	2,500/= per kg	10,000/=
Rice	1½kg	2,400 each kg	_____
Total			_____

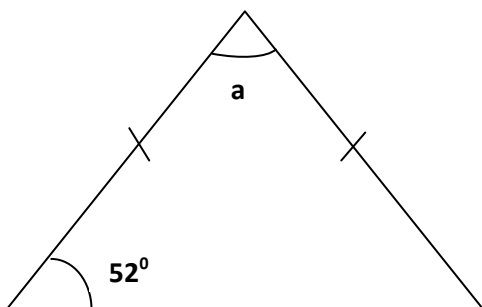


23.	a) Simplify: $\frac{0.45 \times 0.002}{0.03 \times 0.5}$ (2mk)	b) Work out: $\frac{3}{4} + \frac{2}{5} = \underline{\hspace{2cm}}$ (2mks)
24.	a) What is the difference of the value of 2 and 3 in the figure 2139 ? (2mks)	
	b) Expand 96.06 using powers. (1mk)	
25.	<p>A man drove at 80km/hr for 2 $\frac{1}{4}$hrs. He then rested for 45min. After resting, he covered 240km in 3 hrs.</p> <p>a) What distance did he cover before resting? (2mks)</p> <p>b) Calculate the average speed for the whole journey. (2mks)</p>	



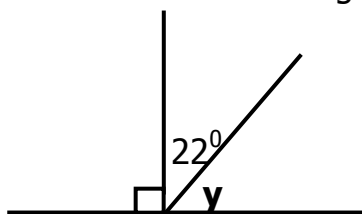
26 a) Find the value of 'a' in the figure below.

(2mks)



b) Work out the value of angle **y** in the figure below.

(2mks)



27. a) Given that **m = 4** and **n = 2**, evaluate $\frac{mn}{n}$

(2mks)

b) **Solve; $4y + 4 = 20$**

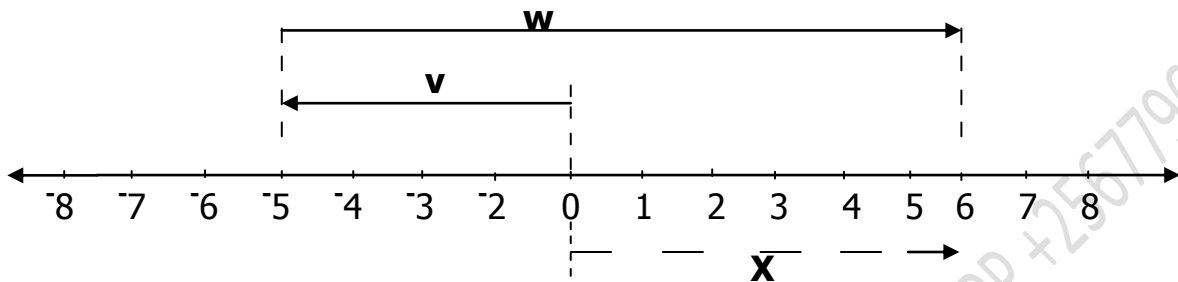
(1mk)

c) **$2x - 3 = 9$**

(1mk)



28. a) Use a number line below to answer the questions that follow. (1mk)



Name the integers

i) v _____

iii) x _____

ii) w _____

(1mk each)

b) Write a mathematical statement for the above information.

29. The sum of three consecutive counting numbers is 96. Find the numbers. (4mks)

30. The mean of the following scores **8, 7, 6, 5** and **y** is **6**.

a) Find the value of **y** .

(2mks)

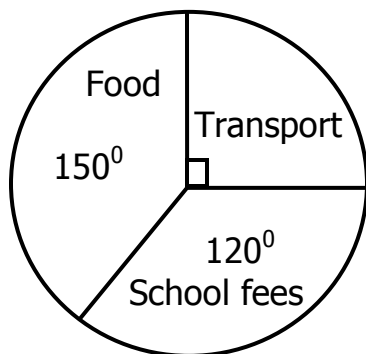
b) Workout the median score.

(2mks)

c) Find the range.

(2mks)

31. The pie chart below shows how Nakowa spends his monthly salary of Shs. **72,000**. Use it to answer the questions below.



- a) How much money did he spend on;
i) Food

(2mks)

- ii) Transport

(2mks)

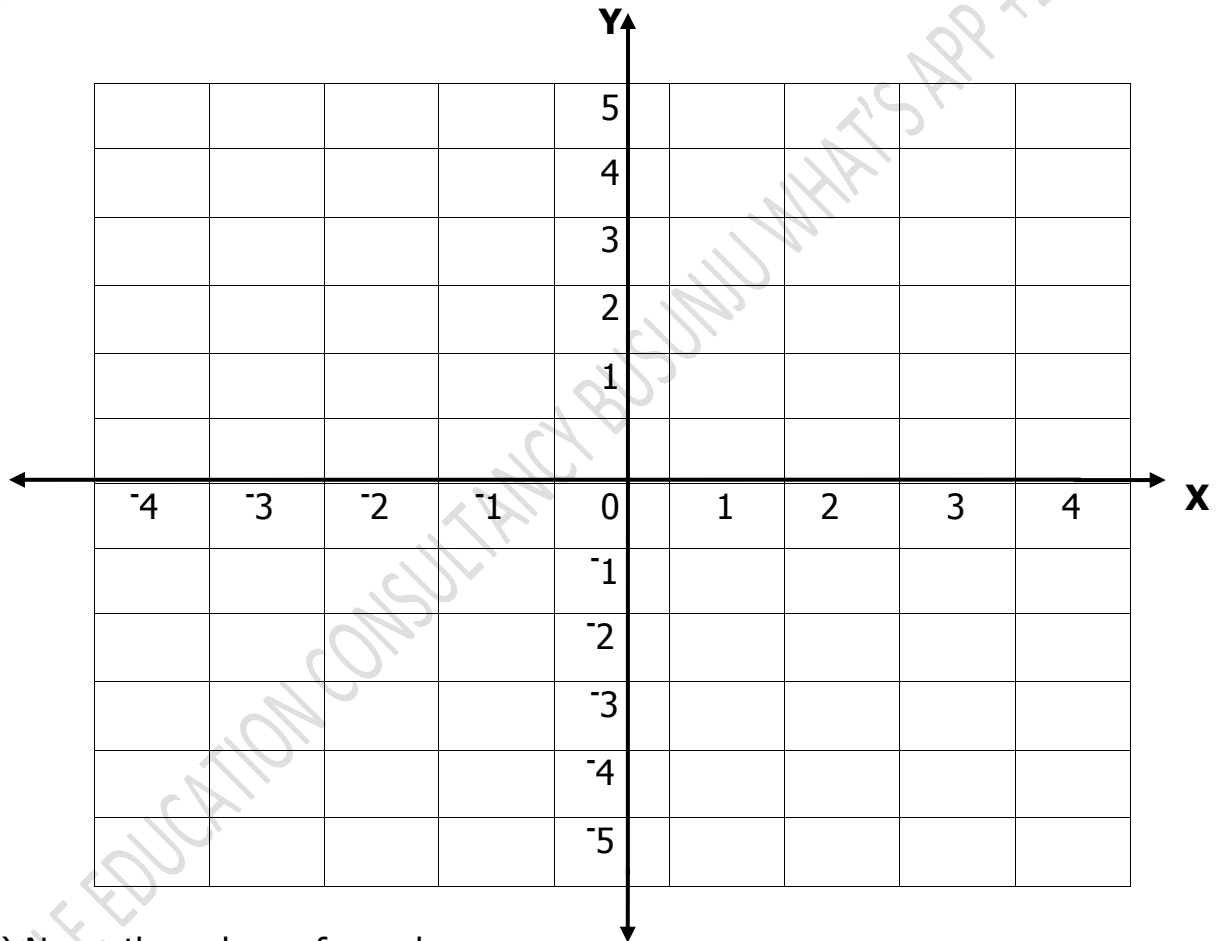
- b) How much more money does he spend on food than school fees?

(2mks)



23. a) Plot the point **A(0, 5)**, **B(-2, 0)**, **C(), -3)**, **D(2, 0)** (4mks)

b) Join **A** to **B**, **B** to **C**, **A** to **D** (1mk)



b) Name the polygon formed.



******END******