



VICTORY STEP EDUCATION SERVICES

PRE PRIMARY LEAVING EXAMINATIONS

2022

MATHEMATICS SET THREE

Time allowed: 2 hours 30 minutes

Index number					Personal No			

Candidate's name:

Candidate's signature:

District name:

School name:

Read the following instructions carefully

1. This paper has 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: All answers to both Sections **A** and **B** must be written in the Space provided.
5. All answers must be written using a blue or Black ball point pen or ink but not pencil.
6. Any handwriting that cannot easily be read May lead to loss of marks.
7. Unnecessary alteration of work may lead to Loss of marks.
8. Do not write anything in the box with EXAMINER'S USE ONLY

FOR EXAMINER'S USE ONLY

Qn. No	MARK	EXR'S NO
1 – 5		
6 – 10		
11 - 15		
16 – 20		
21 - 22		
23 – 24		
25 – 26		
27 – 28		
29 – 30		
31 - 32		
Total		

SECTION A

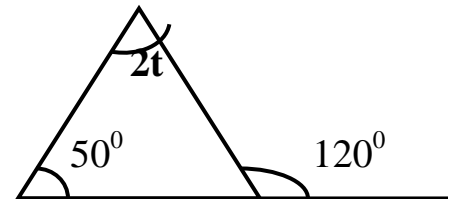
1. Divide: $287 \div 7$

6. Calculate the perimeter of a square whose area is 16m^2

2. Write in figures “Ninety six thousand thirty six”

7. In the figure below, find the size of angle marked ‘t’.

3. Change 132_{five} to a decimal base.



4. Prime factorise **36** and give your answer in power form.

8. Given that set **K** has **32** subsets, how many elements are in set **K**?

5. Find the next number in the sequence:
0, 1, 2, 3, 5, 8, 12, _____

9. Using a ruler, pencil and a pair of compasses only, construct an angle of **135°** .
10. **Simplify:** $8 + 8 \div 8$
11. **Workout:** $^{-}3 + ^{-}8$
12. A forty five minutes assembly ended at **9:25am**. When did it begin?
13. Given that **$A = 2x + 4$** and **$B = x + 10$** . Solve for **x** if **$A = B$**
14. Change $\frac{1}{8}$ to a decimal fraction.
15. What number is exactly a half way between **4.5** and **5.5**?

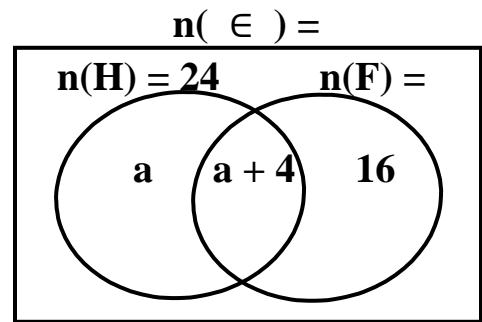
16. If today is Wednesday, what day of the week will it be after **40** days?

20. Express **200gm** as percentage of **1kg**.

17. Express **0.181818.....** as a common fraction in it's simplified form.

SECTION B

21. Study the Venn diagram below.



a) Find **a**.

18. What number has been expanded to give $(4 \times 10^2) + (3 \times 10^0) + (7 \times 10^3)$

b) How many pupils play only one game?

19. Write the solution set for $x \geq 3$

c) How many pupils where in the whole group?

22.a) Using a ruler, pencil and a pair of compasses only, construct a triangle **PQR** where angle **PQR** = **75°** , angle **QPR** = **60°** and **PQ** = **8cm**.

b) Work out their range.

24.a) **Expand 4305.7** using powers of ten.

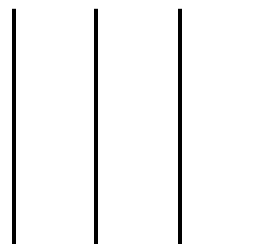
b) Measure angle **PRQ** and length \overline{QR}

b) Write **4032** in standard form.

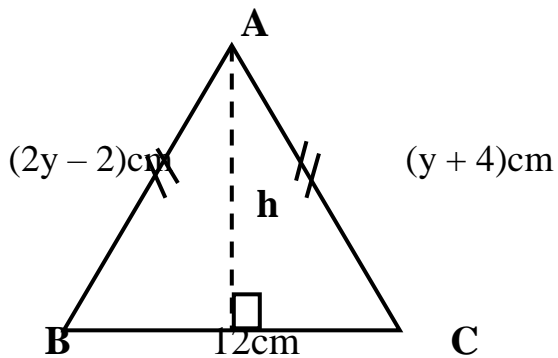
23. The sum of three consecutive odd numbers is **105**.

a) Find these numbers.

c) Represent **3 4 0 5** on the abacus below.



25. Study the triangle and answer the questions below.



- a) Find y

- b) Calculate the value of h

- c) Workout it's Area.

26. A car takes **3** hours to travel from Kampala to Mbale at a speed of **60km/hr**, but it takes **2** hours on the return journey using the same route.

- a) How far is Mbale from Kampala?

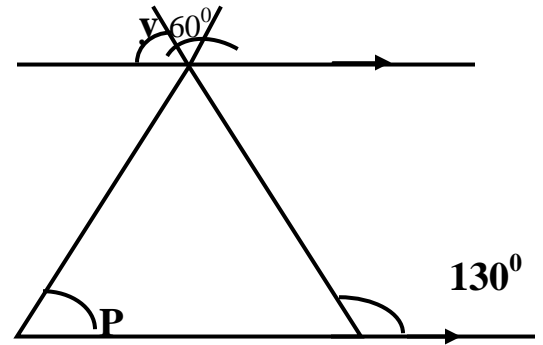
- b) Calculate the average speed for the whole journey.

27.a) Simplify: $\frac{1.1 + 2.9}{0.5}$

b) Workout: $\frac{1}{2} - \frac{2}{3} + \frac{3}{4}$

28. Kimera went to his local market and bought the following items.
- **2kg** of posho at **sh. 24000** per kg.
 - **3 ½ kg** of rice at **Sh. 1800** each kg.
 - **15000gms** of salt at **Sh. 12000** per kg.
- a) How much did Kimera spend for all the items?

29. Study the figure below carefully.



- a) Find y
- b) Find the value of p .

30. Study the table below that shows marks scored by pupils in P.7 class.

Mark

Tallies

70

||

35

||||/

80

|

65

||

- b) If Kimera was given a change of **Sh. 3800**, how much money did he go with to the market?

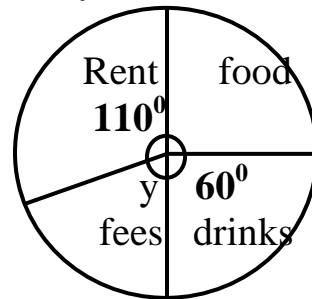
- a) Find the modal mark.

b) Work out the range.

c) Calculate it's interior angle sum.

c) What is the frequency?

32. The pie chart below shows how Mr. Mukasa spends his monthly salary.



d) Calculate the mean mark.

a) **Find y**

31. The interior angle of a regular polygon is **120**.

a) Find the exterior angle.

b) If he spends **Sh. 30,000** on drinks. Calculate his monthly salary.

b) Name the polygon

c) What percentage does he spend on food?

End