SACU NURSERY & PRIMARY SCHOOL
END OF TERM III EXAMS - 2022
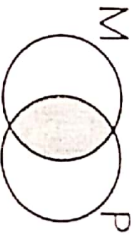## MATHEMATICS – P.5

Name: ....
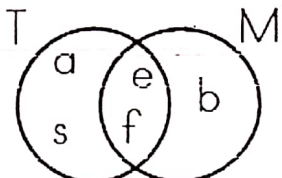
INSTRUCTIONS:- Attempt all questions.
- All working must be shown.
- Any drawing must be done in pencil.
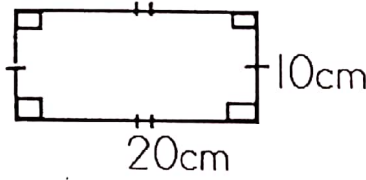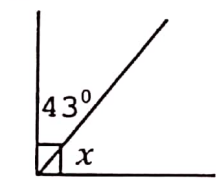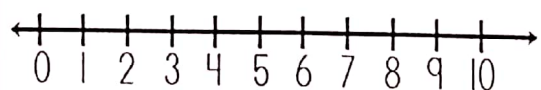
SECTION A (40MARKS)

1	Work out: **7** plus **2**	2	Describe the shaded region on the Venn- diagram below.
3	Change $3\frac{2}{3}$ to an improper fraction.	4	Write: $(2\times100)+(7\times10)+(5\times1)$ as a single numeral.
5	Change 112_{five} to decimal base.	6	Divide **1212** by **3.**
7	Alex tossed a dice once. What is the probability of him getting a multiple of **2** appearing on top?	8	Find the **next two** numbers in the sequence below. 2, 3, 5, 7, ____ , ____

1

9	Use tally marks to represent **23**	10.	Use the Venn-diagram below to list down all elements of set T.
			T a e b M s f

11	Find the total distance around the figure below. 10cm 20cm	12	**Work out:** Weeks Days
			   3 3
			  − 1 2

13	Find the value of the angle marked **x** 43° x	14	Work out 3+4 = ___(finite 5)
15	Work out **4+2** using a number line below. 0 1 2 3 4 5 6 7 8 9 10	16	Use >, < or = to make the statement below true. 1001 1100
17	**Solve for x:** $x + 4 = 9$	18	Expand **345** using place values.

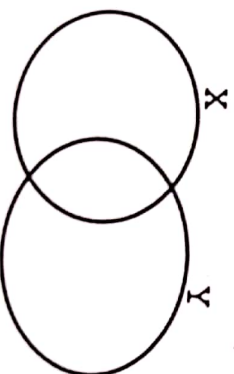| 19	Complete the factor tree below.	20	Epress **125** as a Roman numeral.

15

3

___

___

1

SECTION B: (60 marks)

21. Arrange **0.22, 2.2, 2.22, 0.222** in a descending order.

(*5 marks*)

22. Given that **set X =** {5, 10, 15, 20, 25, 30}, **X∩Y =** {10, 20, 30}

X∪Y = {5, 8, 10, 15, 18, 20,25, 30, 35, 40}

a) List down all elements of set Y.

(*2 marks*)

b) Use the above data to complete the Venn diagram below. (*3 marks*)

X   Y

23a) Write **131**five in words.

(*1 mark*)

b) Draw an abacus to represent **212**~five~. *(2 marks)*

c) Workout: $\begin{array}{r} 2\ 1\ 2_{five} \\ +\ 1\ 3_{five} \\ \hline \\ \hline \end{array}$ *(2 marks)*

24. **Use the shopping list below to answer the questions that follow.**
   a kg of rice sh 3000
   a kg of salt sh.1800
   a litre of milk sh.2000
   a bar of soap at sh.8000

   a) Name the cheapest item on the list above.   *(1mark)*

   b) How much more can one pay for a bar of soap than a litre of milk? *(2mks)*

   c) How much can one pay for a kilogram of salt and two kilograms of rice?
   (3marks)

25. Given digits **6, 2**and **7**.
   a) Write all the possible **3 – digit numerals** that can be formed using digits.
   (3 marks)

b) Find the **sum** of the biggest and smallest **3 - digit numerals** formed?
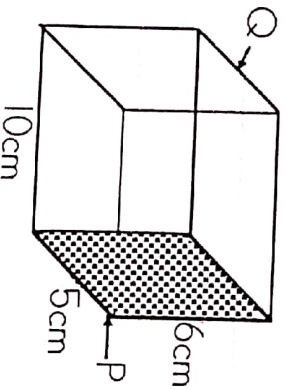
(*2 marks*)

26. Using a pair of compasses, a well sharpened pencil and a ruler only;
a) Construct an equilateral triangle in a circle of radius **4cm**.

(*4 marks*)

b) Show the **lines** of folding symmetry on the triangle constructed above. (*1mK*)

27.a) A milk plant processed **20,550 litres** of milk and sold **10,420 litres**.
How many litres of milk remained?

(*2 marks*)

b) Work out: $5 + 12 \div 3 - 2$

(*2marks*)

28. Use the figure below to answer the questions that follow.

Q

6cm

10cm

5cm

P

a) Name the part marked

(1 mark each)

i) P

ii) Q

b) Name the shaded region.

(1 mark)

c) Work out the perimeter of the shaded part.

(2 marks)

29. a) List down all multiples of **3** between **15** and **30**.

(2marks)

b) List down all factors of **12**.

(2marks)

c) Find the lowest common multiple of 4 and 6.

(2marks)

30. **Find the missing numbers.**

a) ☐ × 3 = 15

b) ☐ ÷ 3 = 18

(2marks each)

31. Complete the magic square below using the magic sum of **45**.　　　(*4marks*)

___	11	16
13	15	___
___	___	12

32. The pictograph below shows the number of rabbits sold by different farmers during a certain week. Use it to answer the questions that follow.

Alvin	Alisha	Aaron	Salim	Desmond

 represents 10 rabbits

a) How many farmers sold at least some rabbits?　　　(*1marks*)

b) How many more rabbits did Salim sell than Alvin?　　　(*2marks*)

c) Desmond sold each rabbit at sh.3000. How much money did he get after selling all?　　　(*3marks*)

END

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