VICTORY STEP EDUCATION SERVICES

END OF TERM I ASSESSMENT 2022

PRIMARY SIX

MATHEMATICS

Time allowed: 2 hours 15 minutes

Name: _____

School: _____

1. **This paper has two sections A and B.**
2. **Section A has 20 questions (40 marks)**
3. **Section B has12 questions (60 marks)**
4. **Attempt all questions in both sections. All answers to both sections A and B must be written in the space provided.**
5. **All answers must be written in blue ball point's pens or ink. Only diagrams must be done in pencil.**
6. **Unnecessary alteration of work will lead to loss of marks.**
7. **Any handwriting that cannot be easily read may lead to loss of marks.**

Section A (40Marks)	
Section B (60Marks)	
Total out of 100	

Teacher's Comment to the learner:

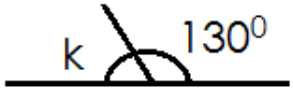
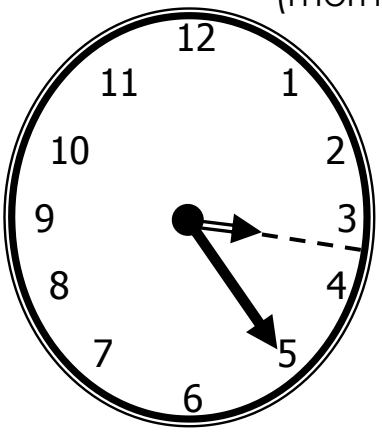
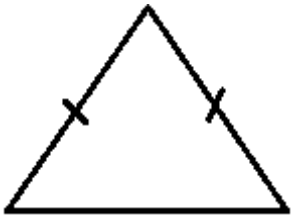
_____

_____

_____

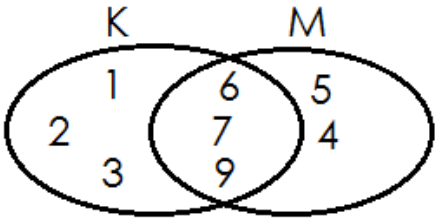
_____

SECTION A	
1. Work out: $\begin{array}{r} 4 \\ \times\ 2 \\ \hline \\ \hline \end{array}$	2. Write a roman numeral to represent 19.
3. Describe the unshaded region on the diagram.  	4. Change $4\frac{1}{2}$ to an improper fraction.
5. Find the lowest common multiple of 4 and 6.	6. Solve for m: m + 3 = 9
7. Give the next number in the sequence below 2, 3, 5, 7, _____	8. Simplify: 4p + 5y – p
9. Work out: $\frac{1}{2} - \frac{1}{3}$	10. Work out the value of 9 in 3907.

11. Find the average of 6, 9, 0 and 5.	12. Work out: Weeks Days 3 6 + 2 4
13. Find the missing angle marked with letter k. 	
14. If  = 6 trees, how many trees are represented by  ?	15. How many subsets are in set H, if set K = {3, 4, 5}
16. How many $\frac{1}{2}$ litre bottles can be obtained from a 10 litre bucket?	
17. Tell the time on the clock face. (morning time) 	18. Indicate and name the lines of folding symmetry the figure below has. 

19. Expand 8062 using powers of ten.	20. A forty minutes lesson started at 8.30am. When did it end?
SECTION B	
21. Given the digits 6, 0, 9, form	
a) The largest three digit numeral. (1mk)	b) The smallest three digit numeral. (1mk)
c) Write the smallest numeral formed in (b) above in words. (1mk)	
d) Find the difference between the largest and the smallest numerals formed. (2mks)	
22(a) Work out: (3mks) $3\ 1\ 2_{five}$ $+\ 3\ 4_{five}$	b) Subtract: (3mks) $2\ 4\ 3_{five}$ $-\ 3\ 4_{five}$

23. Given the two sets below, use the Venn diagram to answer the questions that follow.



Find:

a) K∩M (1mk)

b) n(k) (2mks)

c) K – M (1mk)

24. Given that a = 2, b = 4 and c = 3, find;

a) 2a + b (2mks)

b) b – c (2mks)

c) $\frac{2b}{a}$ (2mks)

25. In a class of 60 pupils, $\frac{1}{3}$ of them are girls and the rest are boys.

a) Work out the fraction of boys. (1mk)

b) How many girls are in the class? (2mks)

c) Calculate the number of boys in the class. (2mks)

d) How many more boys than girls are in the class? (1mk)

26. Complete the statements below correctly by using either >, < or = (1mk each)

a) 2 x 4 + 0 _____ 0 x 4 x 2

b) 400cm _____ 3m

c) $\frac{3}{4}$ _____ $\frac{1}{6}$

d) 0.5 _____ 0.05

27. James is 4 years younger than his sister Joanita. If Joanita is 16 years old;

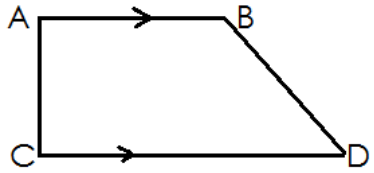
a) How old is James? (2mks)

b) Find their total age. (2mks)

c) How old will Joanita be after 8 years from now? (2mks)

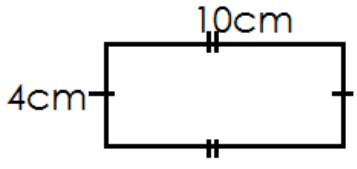
28. Study the figures below carefully and answer the questions that follow.

a) i) Name the shape. (1mk)

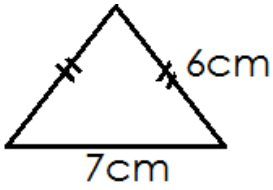


ii) Name one pair of parallel lines on the shape above. (1mk)

b) Find the area of the shape below. (2mks)



c) Work out the perimeter of the shape. (2mks)



29. The table below shows marks scored by P.5 pupils from different P.5 streams.

Stream	P.5 E	P.5 C	P.5 M	P.5 W	P.5 Y
Marks	80	75	60	25	10

a) What was the highest score? (1mk)

b) Work out the range. (1mk)

c) What was the average score? (2mks)

30. A factory made 489 plastic cups on Monday, 152 cups on Tuesday and 612 cups on Wednesday.

a) How many plastic cups were made in three days? (2mks)

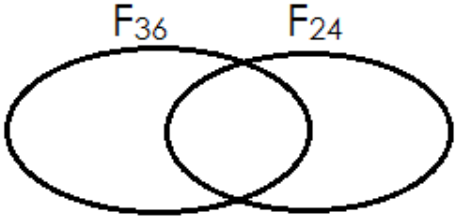
b) Simplify: 2b – 12 + 14 (2mks)

31(a) Prime factorize.

i) 36 (1mk)

ii) 24 (1mk)

b) Represent the prime factors of 36 and 24 on the Venn diagram below. (2mks)



c) Work out the GCF of 36 and 24. (1mk)	d) Find the LCM of 36 and 24. (2mks)
32. Use a radius of 3cm to construct a regular hexagon. (4mks)	

********GOD BLESS********