Dt S

# ST. SAVIO JUNIOR SCHOOL-KISUBI

## MID- TERM TWO EXAMINATION

## PRIMARY SEVEN 2023

## MATHEMATICS

Time allowed 2 hrs 15 min.

Name: _____ Stream: _____

DO NOT OPEN THIS BOOK LET UNTIL YOU ARE TOLD TO DO SO.

**Read the following instructions carefully.**

1. This paper is made of two sections;  A and B
2. Section A has 20 questions  (40 marks)
3. Section B has 12 questions (60 marks)
4. Attempt All questions. All answers to both Section  A and B must be  written in the space provided.
5. All answers must be written in blue or black ball-point pen only Any drawings must  be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.

### FOR OFFICAL USE ONLY.

| SECTION | EXRS. MARKS | T/L MARKS | |
|---------|-------------|-----------|--|
| A | | | |
| B | | | |
| TOTAL | | | |

Copy 2023 MATHEMATICS DEPARTMENT

## SECTION A

1. Work out: $x \times x$

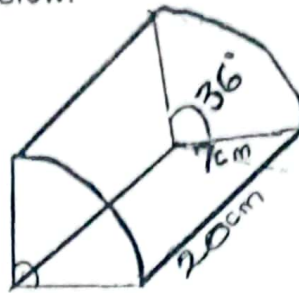2. Write three hundred three million three thousand two hundred three in figures.

3. Draw a Venn diagram to show the following sets.

M= {all pupils in P7}

P= { P7 pupils who like maths}

Q= {P7 pupils who like English}

4. Find the volume of the figure below.



5. The foot ball match between Savio and Mugwanya ended at 12:50p.m.

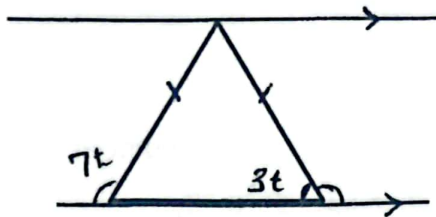Express this time in 24 hour clock.

6. Solve: $8 - 2y = 14$

1

7. How far on a number is

$^+7$ from $^-3$ ?

8. A garden is $14.8m^2$.

What is its area in $cm^2$?

9.Use the figure below to find t.



10. A car covered 60 km in

$\frac{1}{2}$ hour. How many km did it cover every hour?

11.Work out: $\dfrac{1}{2} - \dfrac{1}{3} \times \dfrac{1}{4}$

12.Find the G C F of 12 and 18.

13. Construct an angel of 135° in space below.
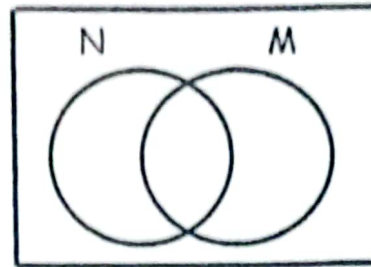
14. Given that ⊞ ⊞ ⊞

Represents 9 balls, how many balls are represented

by ⊞ ⊞ ⊞ ⊞ ⊞ ?

15. Find the value of bin

$$2^b \div 4 = 8$$

16. Shade the complement of m in the Venn diagram below.



17. Mr. Birenge bought a chair at sh. 37,000. How much money must he sell it to get a profit of sh. 13,000?

18. The range of two numbers is 3. If the lowest is ⁻2,

Find the highest.

19. Three people A, B and C shared a certain amount of money such that A gets sh.6000, B gets sh. 9000 and C gets 40%.
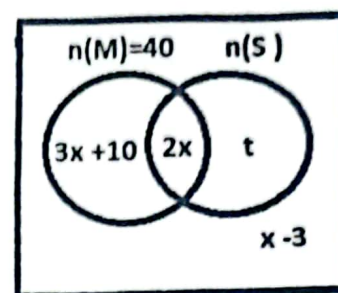
How much money was shared altogether?

20. 121 poles were planted along one side of a garden. If the distance from one pole to another was 7m, find the distance trees were planted.

21. The Venn diagram below shows 5 candidates who like Mathematics, Science and none of the two in a P7 class.

Use it to answer questions that follow.

$$n(\mathcal{E}) = 50$$



a)Find the value of x. (2mks)

b)If a pupil is picked at random, what is the probability of picking one who likes science but not mathematics. (3mks)

4

22. On a farm, $\frac{2}{3}$ of the animals are cows, 25% of the remainder are goats and the rest are sheep. If there are 60 sheep on the farm, how many goats are there on the farm?  (5marks)
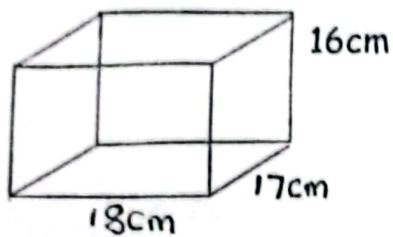
a) Adrian had Ug shs 188,800 and exchanged it for united states dollars (USD). How many US dollars did he get?  (2marks)

b) If Erumbi had 30 pound sterling, and was to exchange it for Kenya shillings, How much money in Kenya shillings did she receive?  (3mks)
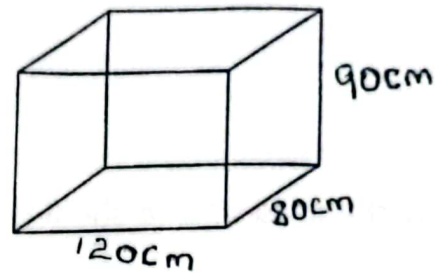
23. Study the exchange rate below and answer the questions that follow.

| Currency | Buying rate(Ug.sh) | Selling rate(Ug. sh) |
|---|---|---|
| 1 Us dollar(USD | 3100 | 3200 |
| 1pound sterling(£) | 5000 | 5200 |
| 1Euro | 3600 | 3700 |
| 1 Kenya sh.) | 1.4 | 1.5 |

c)If Ben wanted 600 Euros, how much money in Uganda shillings was he supposed to pay ? (1mark)

24. Small boxes of size A are packed in a big box B as shown.

A

16cm

17cm

18cm

B

90cm

80cm

120cm

a)How many layers can fit in box B? 2marks)

b)If each box of A weighs 400cg, find the weight of box B in kilograms. (3mark)

25. Six years ago, Ben was ten times as old as Victor. If their total age is 45 years,
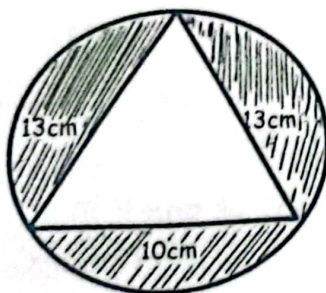
a)How old is Ben now? (3mks)

b)How old was ~~Nathan~~ Victor then ? (2marks)

26. Find the area of the shaded region given the radius of the circle is 10cm. (4mks)

27.a)Find the number whose standard form is given below.

$3.84 \times 10^{-3}$ (2mks)

b)Given that $2^5 \times 3^x = 288$.

Find the value of x. (3mks)

28. Pupils in Kyamizi P/s did the test and scored as shown below.

| No. of pupils | 4 | 3 | P | 2 |
|---|---|---|---|---|
| Marks | 80 | 45 | 60 | 50 |

a)Find the value of P if the mean mark was 61. (3mks)

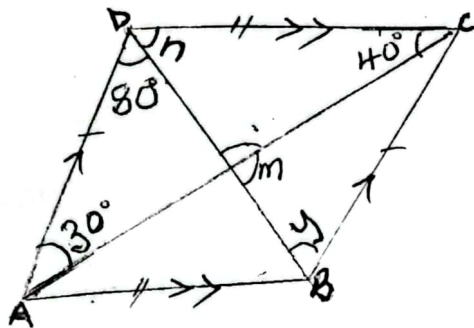b)How many pupils scored below the mean mark? (2marks)

8

29. a)In a school of 600 pupils, $\frac{1}{3}$

of them are boys and the rest are girls. If $\frac{1}{4}$ of the girls are in upper primary, what is the ratio of girls in upper primary to the girls in lower primary?                                    (3mks)

b)What amount of money when decreased by 15% then by 20% becomes sh.816 ?                                    (2mks)

30. Using a pencil, a ruler, a protractor and a pair of compasses only, construct a regular pentagon of side 5cm in a circle. (5marks)

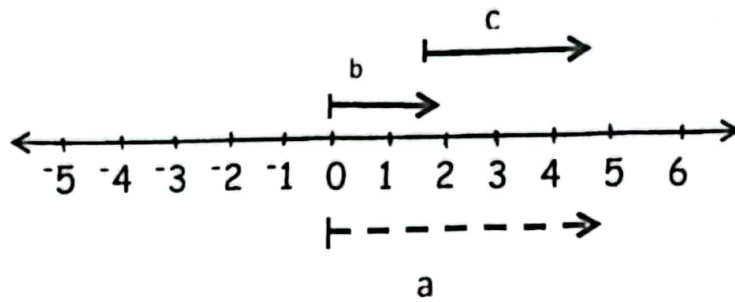31. ABCD is a parallelogram.



Find the values of ; (2marks each)

a)m                    b)n                    c)y

32. Use the number line below to answer the question that follow.



a)Name arrow b.                                              (1marks)

b)Write down the integer represented by arrow c.          (1mark)

c)Write down the subtraction sentence shown on the above numberline.

(2mks)

End