SUPERIOR PRIMARY SCHOOL

PRIMARY FOUR FORTNIGHT TEST SET 1 TERM 3, 2023

MATHEMATICS

TIME: 2 HOURS 30MINUTES

NAME __TR. WALTER__   STREAM __SILVER__

SECTION A: (40marks)

1. Add: 57 + 43

$$\begin{array}{r} \overset{+1}{5}7 \\ +43 \\ \hline 100 \\ \hline \end{array}$$

2. Write 1006 in words.   1000 + 6

__One thousand, six__

3. Simplify: 6boys+3boys-2boys

$(6+3)$ boys $- 2$boys | __7boys__

9boys $- 2$boys

4. On the Venn diagram below, shade set A and set B.
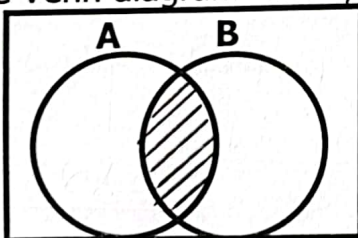
5. Write the next odd number in the sequence below;

95, 97, 99, __101__

+2 +2 +2

6. Workout: ⅓+⅓

$$\frac{1}{3} + \frac{1}{3} = \frac{1+1}{3}$$

$$\frac{2}{3}$$

7. Round off 946 to the nearest hundreds.

$$
\begin{array}{ccc}
H & T & O \\
9 & 4 & 6 \\
+0 & 0 & 0 \\
\hline
9 & 0 & 0 \\
\end{array}
$$

$$946 \approx 900$$

8. Bbale bought 4books at sh400 each. How much did he pay for the four books?

$$
\begin{array}{r}
sh\ 400 \\
\times\ 4 \\
\hline
Sh\,1,600 \\
\end{array}
$$

9. Given the cards below.

X	Y	Z
15 - 2 13	4 x 5 20	12÷3 4

Use the given letters to arrange the cards in order starting with the lowest.

Z	X	Y
12÷3	15-2	4X5

Z, X, Y
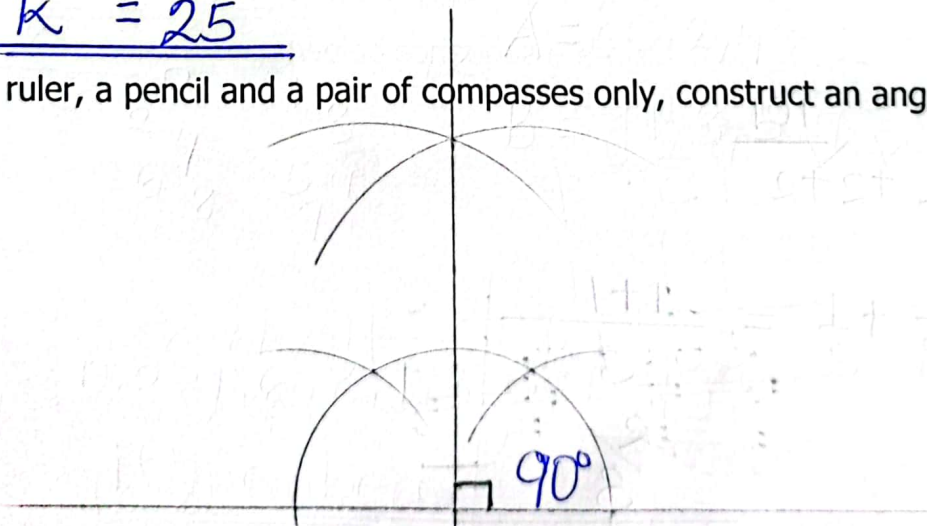
10. Solve for k: **k+5=30**

$$K+5 = 30$$
$$K+5-5 = 30-5$$
$$k = 25$$

11. Using a ruler, a pencil and a pair of compasses only, construct an angle of 90°.

90°

2. Convert 600minutes in to hours.

$$60\text{minutes} = 1\text{hour}$$

$$600\text{minutes} = \left(\frac{600\text{minutes}}{100\text{minutes}}\right)\text{hour}$$

6 hours

13. Walter is 45 years old, express his age in Roman numerals.

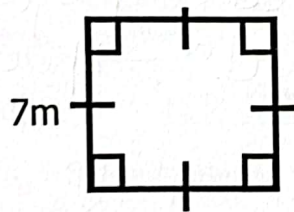$$\begin{array}{cc} 40 & + \ 5 \\ \downarrow & \downarrow \\ XL & V \end{array}$$

$$45 = XLV \text{ years}$$

14. Kalungi is 10years old and Praise is 2 years older than Kalungi. How old is Praise?

Kalungi	Praise
10years	(10+2) years
	12 years

∴ Praise is 10 years old.

15. Calculate the distance around the figure below.
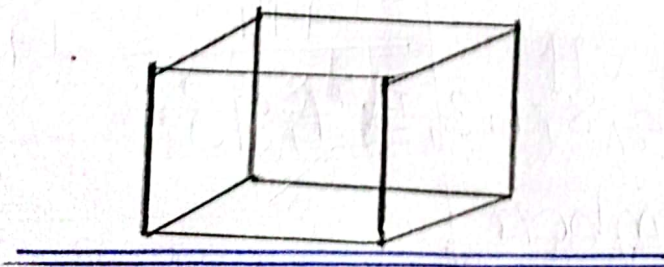
7m

$$D = S + S + S + S$$
$$D = (7m + 7m) + (7m + 7m)$$
$$D = 14m + 14m$$
$$D = 28m$$

16. Study and complete the statement about sets.

{a, e, i, o, u} U {b, e, a, t} = { a, e, i, o, u, b, t }

17. In the space below, draw a cuboid using a pencil and a ruler only.

18. There are 38 pupils in primary four at Superior Primary School. Draw tallies to represent the number of pupils in primary four class.

$$\frac{38}{5} \quad 7\ r\ 3$$

卌 卌 卌 卌 卌 卌 卌 ||| pupils

19. Write 9,784 in expanded form using powers of ten.

10^3	10^2	10^1	10^0	
9	7	8	4	

$(9 \times 10^3) + (7 \times 10^2) + (8 \times 10^1) + (4 \times 10^0)$

20. My dad stayed in America for 7 years. How many months did he take in America before coming back to Uganda?

$1\ year = 12\ months$

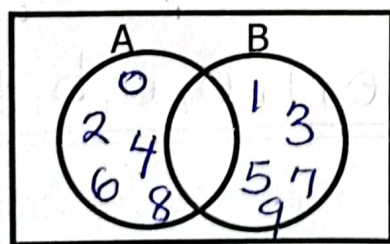$7\ years = (12 \times 7)\ months$

$84\ months$

SECTION B (60 MARKS)

21. Given that set A= {all even numbers less than 10} and set B={all odd numbers less than 10}

(a) Represent the above information on the Venn diagram below.

$A = \{0, 2, 4, 6, 8\}$ (3marks)

$B = \{1, 3, 5, 7, 9\}$

(b) How many members are in set A U B?   (1mark)

$A \cup B = \{0, 2, 4, 6, 8, 1, 3, 5, 7, 9\}$

$10\ members$

2. Given the number 4,643.

(a) Write the place value of 6 the in the number.   (1mark)

TH	H	T	O
4	6	4	3

↳ Hundreds

(b) Write the above number in words.   (2marks)

4	6	4	3

$4000 + 600 + 40 + 3$

Four thousand, six hundred forty-three

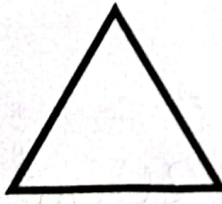(c) Expand the above number using powers of ten.   (2marks)
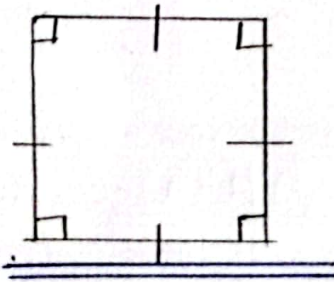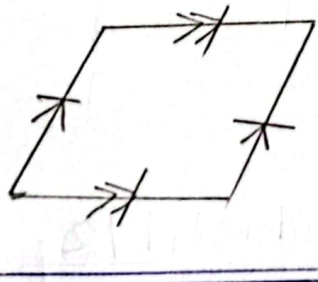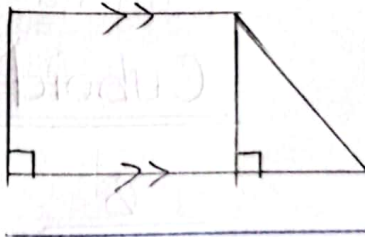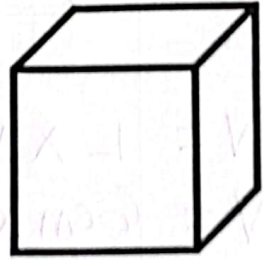
10^3	10^2	10^1	10^0
4	6	4	3

$(4 \times 10^3) + (6 \times 10^2) + (4 \times 10^1) + (3 \times 10^0)$

22. Draw and name the following shapes.   (6marks)

Square	Rhombus	Trapezium
Triangle	Cylinder	Cube

23. In primary four class of 50 pupils, ⅗ of them are girls and the rest are boys.

a) Find the fraction of boys. (1mk)

$$\frac{5}{5} - \frac{3}{5} = \frac{5-3}{5} \qquad \frac{2}{5}$$

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

$$\left(\frac{3}{5} \times \overset{10}{\cancel{50}}\right) \text{girls} \qquad \underline{30 \text{ girls}}$$

$$(3 \times 10) \text{ girls}$$

c) How many more girls are in the class than boys? (2mks)

Girls	Difference
50	30
-30	-20
20 girls	10 more girls than boys

24. Study the figure below and use it to answer the questions that follow.

5cm
4cm
6cm
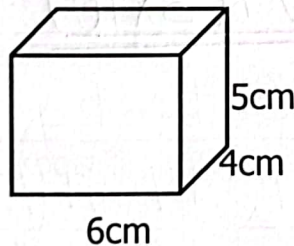
a) Name the figure above. (1mk)

__Cuboid__

b) Find the number of ; (3mks)

(i) faces __6__   (ii) edges __12__

(iii) vertices __8__

c) Workout the volume of the above figure (2mks).

$$V = L \times W \times H$$
$$V = 6cm \times (4cm \times 5cm) \qquad \underline{V = 120cm^3}$$
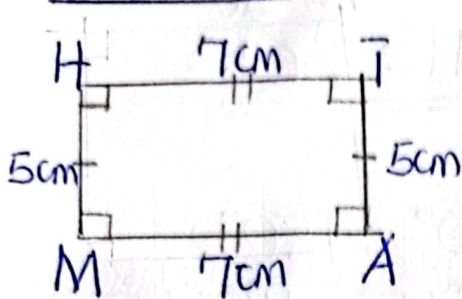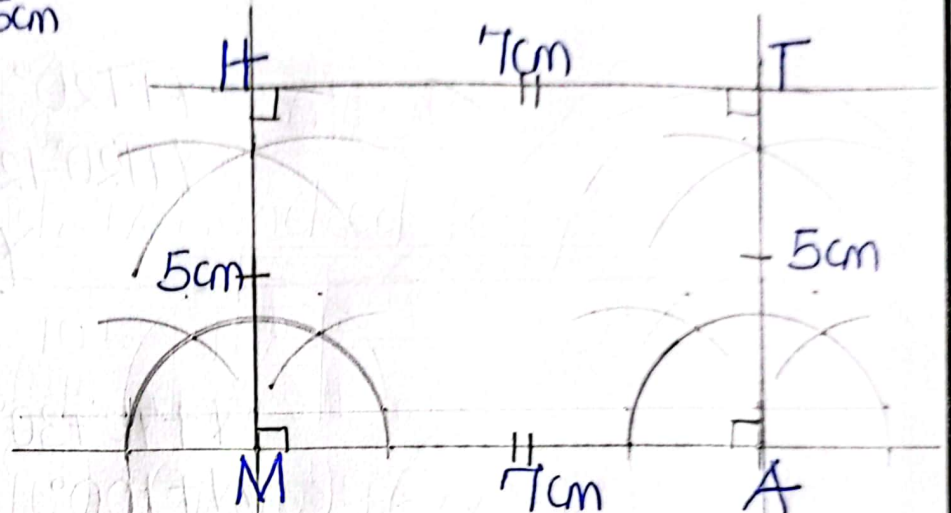$$V = (6 \times 20) cm^3$$

25. Using a ruler, a pencil and a pair of compasses only, construct a rectangle MATH where MA=TH=7cm and AT=MH=5cm, angle M=angle A=90⁰   (5marks)

Sketch

Accurate diagram.

26. Leticia is 12 years old and Janelle is 3 years older than Leticia.

(a) How old is Janelle?   (2marks)

Leticia	Janelle
12 years	(12+3) years
	15 years

(b) Workout the sum of their ages.   (2marks)

$$15 \text{ years}$$
$$+12 \text{ years}$$
$$\overline{27 \text{ years}}$$

(c) How old was Leticia 5 years ago?   (1mark)

$$12 \text{ years}$$
$$-5 \text{ years}$$
$$\overline{7 \text{ years}}$$

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27. Find the value of unknown in the diagrams below.

(a)
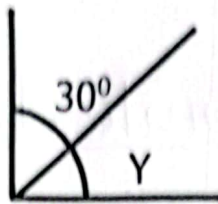
$$Y + 30° = 90°$$
$$Y + 30° - 30° = 90° - 30°$$
$$Y = 60°$$

(b)
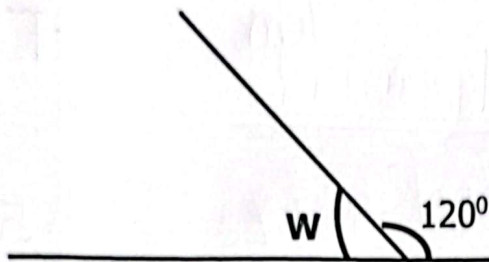
$$Y + 120° = 180°$$
$$Y + 120° - 120° = 180° - 120°$$
$$Y = 60°$$

(c)
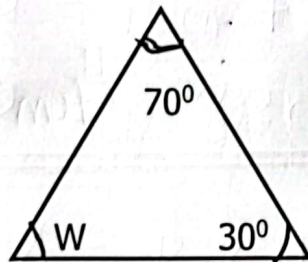
$$W + 70° + 30° = 180°$$
$$W + 100° = 180°$$
$$W + 100° - 100° = 180° - 100°$$
$$W = 80°$$

28. Walter went shopping and bought the following items.

    5 books at sh.5,000
    2 pens at sh.1,000 each pen
    A geometry set cost at sh.10,000

  (a)   Find the cost of each book.   (2marks)

$$\frac{Sh\cancel{5000}\;\;1000}{\cancel{5}\;\;1}\quad Sh1000$$

  (b)   How much did he spent altogether in buying all the items   (3marks)

Pens	Total cost
Sh1000	Sh 10,000
X 2	Sh 5,000
Sh 2000	+sh 2,000
	Sh 17,000

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30. Use >, < or = to complete these statement ; (5marks)

(a) 2+3 __<__ 2 x 3

    5   6

(b) Fortnight __=__ 2weeks

    14   14

(c) XXIX __<__ XXXI

    29   31

(d) Two thirds __>__ a quarter

$$\frac{2}{3} \times \cancel{12}^{4} \qquad \frac{1}{4} \times \cancel{12}^{3}$$

(e) 0.05 __<__ 0.5

$$\frac{5}{\cancel{100}} \times \cancel{100} \qquad \frac{5}{\cancel{10}} \times \cancel{100}$$

31(a) Add: 3 2 4   (2marks)

$$\begin{array}{r} 3\,2\,4 \\ +\ 1\,3\,5 \\ \hline 4\,5\,9 \end{array}$$

(b)Workout: 9 8 5 9   (1marks)

$$\begin{array}{r} 9\,8\,5\,9 \\ -\ 1\,2\,3\,4 \\ \hline 8\,6\,2\,5 \end{array}$$

d) Workout: 15.4 + 9.7   (2marks)

$$\begin{array}{r} \overset{+1\ +1}{} \\ 15.4 \\ +\ 9.7 \\ \hline 25.1 \end{array}$$

32. Study the figure below and use it to answer the questions that follow.
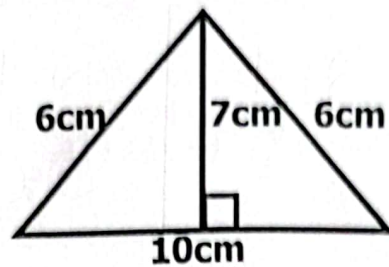
(a)   Name the above figure.   (1mark)

$$\underline{\underline{Triangle}}$$

(b)   Workout the perimeter of the above figure.   (2marks)

$$P = S + S + S$$
$$P = 10cm + 6cm + 6cm$$
$$\underline{\underline{P = 22cm}}$$

(c)   Calculate the area of the above figure.   (2marks)

$$A = \frac{B \times H}{2}$$

$$A = \frac{\overset{5}{\cancel{10}}cm \times 7cm}{\underset{1}{\cancel{2}}}$$

$$A = 5cm \times 7cm$$

$$\underline{\underline{A = 35cm^2}}$$

THE END