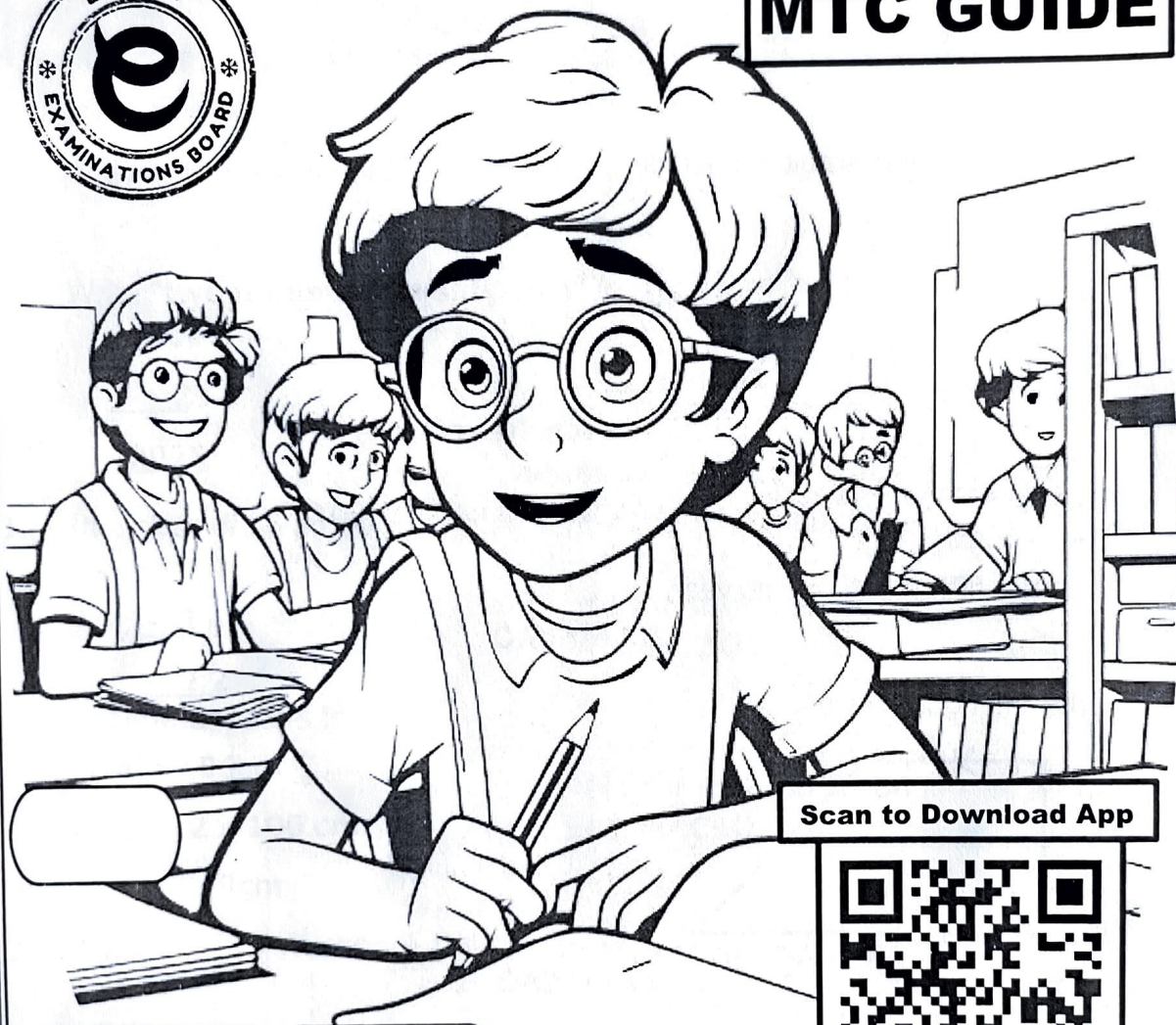


P.4 END OF TERM 1



MTC GUIDE



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COMING UP

PRE- MOCK 2025 (5 SETS)

NAME:.....

SCHOOL:.....



0780-438054



0708-438054

SECTION A: 40 MARKS

Answer **all** questions in **this** section
Questions in this section carry **two** marks each.

1. Add $405 + 193$

$$\begin{array}{r} 405 \\ +193 \\ \hline 598 \end{array}$$

M1 for the
correct addition
A1 for CAO

2. Write XII in Hindu Arabic numerals

$$\begin{array}{r} \text{XII} = \text{X} \quad \text{II} \\ 10 + 2 \\ \hline 12 \end{array}$$

B2 for CAO

3. Solve $\square - 11 = 13$

$$\begin{array}{l} \square - 11 = 3 \\ \square - 11 + 11 = 13 + 11 \\ \square = 24 \end{array}$$

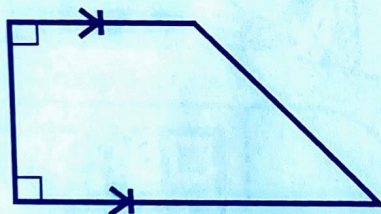
M1 for the correct
equation
A1 for the correct CAO

4. Write the fifth month of the year.

May

B2 for CAO

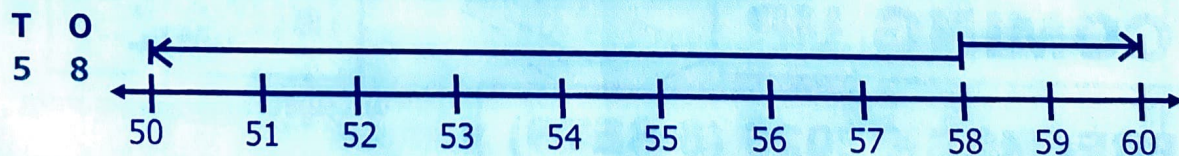
5. Name the figures below



Trapezium

B2 for CAO

6. Round off 58 to the nearest tens using a number line.



58 is nearer to 60 than 50
 $58 \approx 60$

B1 for correct labeling of
the number line
B1 for CAO

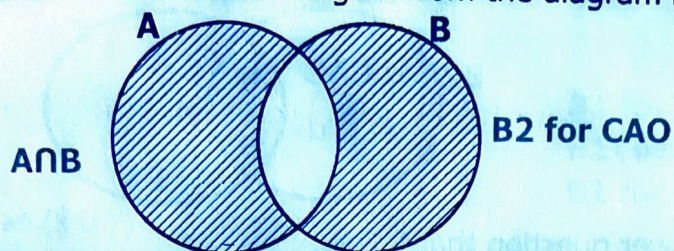
7. What is the place value of 4 in the number 5462?

TH	H	T	O
5	4	6	2

↓
hundreds

B2 for CAO

8. Describe the unshaded region from the diagram below.



9. How many sides do four similar squares have?

1square = 4 sides

4squares = (4x4) sides

B2 for CAO

16sides

10. Write "two thousand twenty-five" in figures.

2000

+ 25

2025

B2 for CAO

11. In a class of 56 pupils, 34 are girls. How many boys are in that class?

56

- 34

22

M1 for subtraction

A1 for CAO

12. Change 2 meters to cm.

1m = 100cm

2m = 2 x 100 cm

200cm

M1 for multiplication

A1 for CAO

13. Add: Weeks Days

4 2

+ 1 3

5 5

M1 for correct addition

A1 for CAO

14. A cake costs sh. 600. Find the cost of three similar cakes.

sh 600

x 3

sh 1800

M1 for correct

multiplication

A1 for CAO

15. Find the next number in the sequence.

4, 8, 12, 16, 20

+4 +4 +4 +4

M1 for correct addition

A1 for CAO

16. Expand 416 using values.

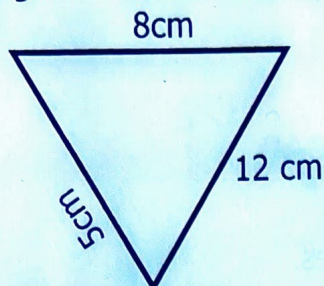
H	T	O
4	1	6

B2 for CAO

$$(4 \times 100) + (1 \times 10) + (6 \times 1)$$

$$400 + 10 + 6$$

17. Use the figure below to answer question that follow.



Workout the total distance round the figure.

$$D = S + S + S$$

$$D = (12 + 8 + 5) \text{ cm}$$

$$D = 25 \text{ cm}$$

M1 for correct addition

A1 for CAO

18. If = 15 balls, how many balls are represented by ?

$$15$$

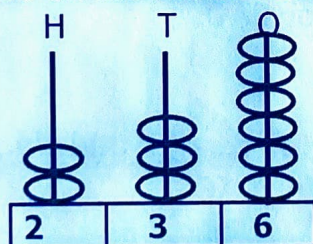
$$\times 3$$

$$45 \text{ balls}$$

M1 for multiplication

A1 for CAO

19. Represent **236** on the abacus below.



B1 for beads

B1 for CAO

20. In a family of eight children, each was given sh. 500 for breakfast. How much money did they receive altogether?

$$\text{sh } 500$$

$$\times 8$$

$$\text{sh } 4000$$

M1 for multiplication

A1 for CAO

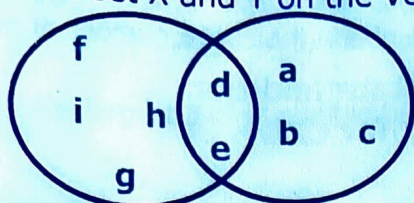
SECTION B (60MARKS)

Answer *all* questions *this* section

Marks for each *question* is indicted in brackets

21. Given that set $X = \{d, e, f, i, h, g\}$ and $Y = \{a, b, c, d, e\}$

a) represent set X and Y on the Venn diagram below.



B1 for x only
B1 for $x \cap y$
B1 for y only

b) find an $(X \cup Y)$

$X \cup Y = \{d, e, f, i, h, g, a, b, c\}$
 $n(X \cup Y) = 9$

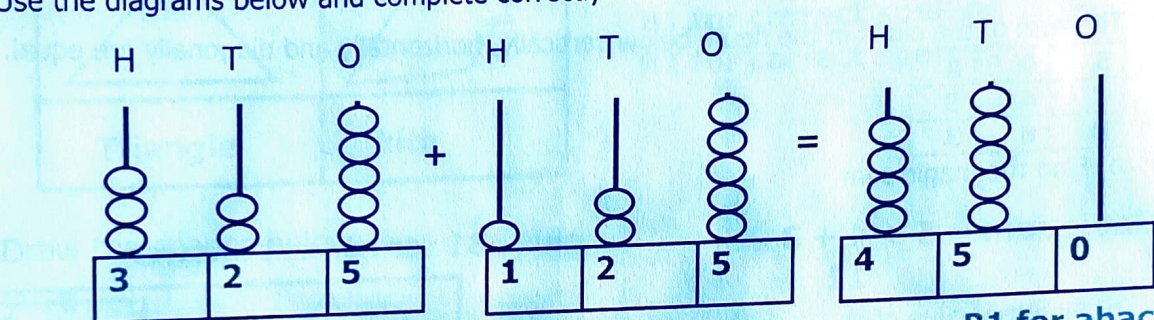
B1 for CAO

c) List elements in set $Y - X$

$Y - X = \{a, b, c\}$

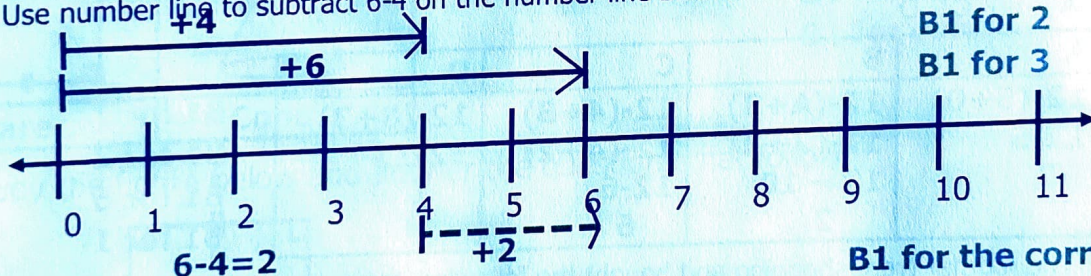
B1 for CAO

22. Use the diagrams below and complete correctly.



B1 for abacus
B1 for 2
B1 for 3

b) Use number line to subtract 6-4 on the number line below.



B1 for the correct
number line
B1 for CAO

23. Sebastian is 10 years older than Allan who is 27 years old.

a) How old is Sebastian now?

$(27 + 10)$ years
37 years

M1 for addition
A1 for CAO

b) Work out the sum of their ages?

37
 $+ 27$
64 years

M1 for addition
A1 for CAO

c) How old was Allan 7 years ago?

$(27 - 7)$ years
20 years

B1 for CAO

24. a) What is the place value of 8 in 2831?

th	h	t	o
2	8	3	1

↓
Hundreds

B1 for CAO

b) work out the sum of the value of 2 and the value of 3 in the above number

th	h	t	o
2	8	3	1

M1 for addition
A1 for CAO

$2 \times 1000 = 2000$
 $3 \times 10 = 30$

SUM

2000

+ 30

2030

c) Find the value of 5 tens

B1 for CAO

$5 \times 10 = 50$

25. The sum of the digits in the figure below vertically, horizontally and diagonally are equal.

5	0	A
C	4	B
D	8	3

a) Find the magic sum

Magic sum = 5 + 4 + 3
12

B1 for correct answer

b) Find the value of

A B C D

A	B	C	D
12-(5+0)	12-(A+3)	12-(4+B)	12-(8+3)
12-5	12-(7+3)	12-(4+2)	12-11
7	12-10	12-6	1
	2	6	

B1 for 7

B1 for 2

B1 for 6

B1 for 1

26. The mother went shopping and bought the following items.

- A kg of sugar at sh 5500
- A loaf of bread at sh 3500
- A bar of soap at sh 5000
- A kg of rice at sh 4000

a) what is the most expensive item

B1 for CAO

sugar

b) If opio buys 2 kgs of rice, how much will he pay?

Sh 4000

x 2

sh 8000

M1 for multiplication

A1 for CAO

c) How much did the mother spend all together?

sh 5500

5000

+ 4000

3500

sh 18000

M1 for correct arrangement

A1 for CAO

Use the digit **4,7,8** to answer the questions that follow

a) Form the smallest 3-digit number using the above digits

478

B1 for CAO

b) Form the largest 3-digit number using the above digits

874

B1 for CAO

c) Find the sum of the smallest and the largest number formed above

874

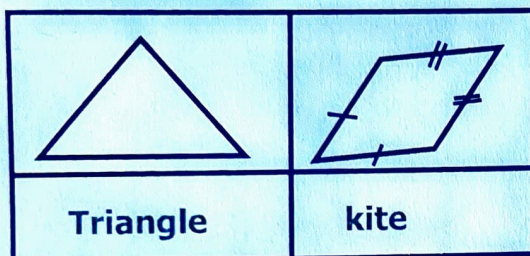
M1 for correct working

+478

A1 for CAO

1352

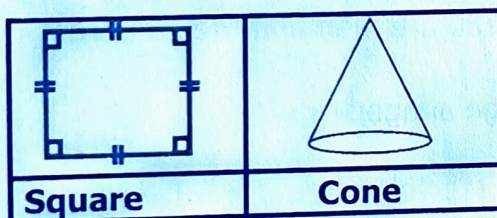
28. Name the shapes below.



B1 for correct spelling

B1 for correct spelling

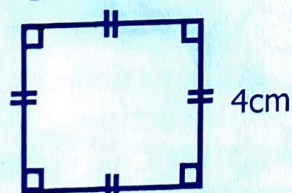
b) Draw the shapes below



B1 for square

B1 for cone

29. Study the figure below and answer the questions that follow



a) Find the area of the figure

$$A = S \times S$$

$$A = 4 \text{ cm} \times 4 \text{ cm}$$

$$A = 16 \text{ cm}^2$$

M1 for multiplication

A1 for CAO

b) Calculate the total distance around the figure

$$D = S + S + S + S$$

$$D = (4 + 4 + 4 + 4) \text{ cm}$$

$$16 \text{ cm}$$

M1 for correct addition

A1 for CAO

30. Work out the following

a) M CM

$$\begin{array}{r} 4 \\ +7 \\ \hline 11 \end{array} \quad \begin{array}{r} 45 \\ 36 \\ \hline 81 \end{array}$$

B2 for a)
B2 for b)
B2 for c)

b) Weeks days

$$\begin{array}{r} 6 \\ -2 \\ \hline 4 \end{array} \quad \begin{array}{r} 4 \\ 3 \\ \hline 1 \end{array}$$

c) kg gm

$$\begin{array}{r} 20 \\ -16 \\ \hline 03 \end{array} \quad \begin{array}{r} 250 \\ 850 \\ \hline 400 \end{array}$$

31. In the village of 684 people, 425 are women, 180 are men and the rest are children

a) How many men and women are in the village altogether

4 2 5 women

$$+ 1 8 0 \text{ men}$$

M1 for correct addition
A1 for CAO

6 0 5 people/ adults

b) How many children are in that village?

6 8 4

$$- 6 0 5$$

M1 for correct subtraction
A1 for CAO

0 7 9 children

How many more women than children in that village?

4 2 5

- 7 9

M1 for subtraction
A1 for CAO

3 4 6 more women

32. Fill in the missing numbers

a	b	c	d
3×4	$6 \div 3$	$15 \div 3$	3×3
12	2	5	9

B1 for 12
B1 for 2
B1 for 5
B1 for 9

END