

**ST. CHARLES LWANGA PRI.SCH.KAWANDA**  
**INTERNAL MOCKSET 2 EXAMINATIONS, 2024**  
**P.7 MATHEMATICS**  
**Time allowed: 2 hours 30 minutes**

Index No.

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STREAM: \_\_\_\_\_

Candidate's Name: \_\_\_\_\_

**SECTION A**

1. Multiply:  $2 \times 3$  (use repeated addition)

2. simplify:  $8 - -3$

3. Express 474 ml in litres.

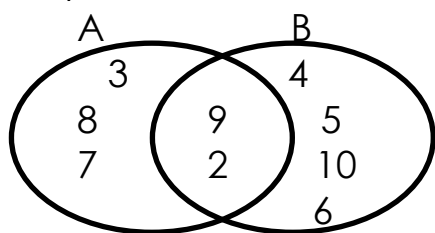
4. Write in figures: Three hundred forty two thousand sixteen.

5. Change  $21_{\text{ten}}$  to binary base.

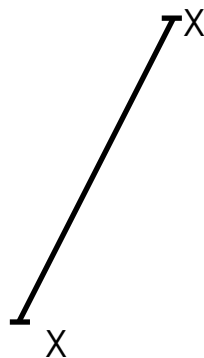
6. Find the median of 0, 4, 6, 3, 7, 5, 1 and 2

7. Write 9 using tally marks.

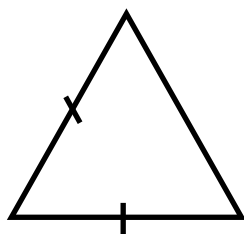
8. In the Venn diagram below, find the number of elements in the complement of  $A \cap B$ .



9. Using a pair of compasses and a ruler only, construct a perpendicular line to XY from point Q.



10. How many lines of symmetry are in the figure below?



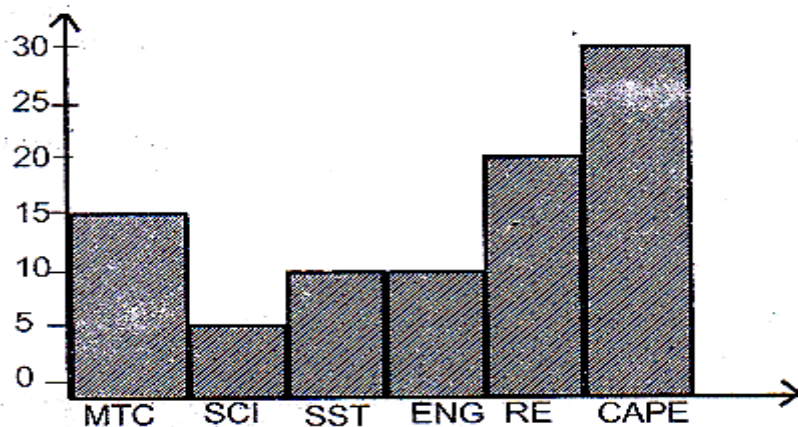
11. The LCM of two numbers is 80 and their G.C.F is 4. if one of the numbers is 16, find the other number.

12. Find the next number in the sequence:  
3, 7, 16, 32, \_\_\_\_\_

13. Given that  $P = 4$ ,  $Q = -3$  and  $r = 2$ . Find the value of  $\frac{2p - 2q}{r}$

14. Prime factorize 36.

15. The bar graph below shows Primary seven pupils failed Pre-mock examinations 2012.



Which subject was performed best?

16.  $X + 100$  and  $2x + 20^\circ$  are complementary angles, find the value of  $x$ .

17. The bearing of **A** from **B** is  $060^\circ$ . What is the bearing of **B** from **A**?

18. During a mathematics examination, a teacher wrote this information on the chalk face.

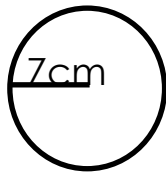
Begin: 9:06 a.m End: 11:21 a.m

How long was examination?

19. Given that  $y = 2x + 2$ . Complete the table.

X	0	
Y		4

20. Calculate the circumference of the figure below. (Pie =  $\frac{22}{7}$ )



### SECTION B

21 (a) Omoding spends  $\frac{1}{3}$  of his salary on food,  $\frac{1}{4}$  on fees,  $\frac{1}{6}$  on rent and saves Sh.120,000.

a) How much does he earn altogether? (3mks)

b) b) How much money does he spend on fees?  
(1mk)

22. A farmer divided his piece of land into three portions in the ratio of 2:5:7 for planting cotton, coffee and sisal respectively. If he used 20 acres of land for sisal.

i) How many acres of land did the farmer have? (2mks)

ii) How many more acres were used for sisal than coffee? (3mks)

23. In a club of 30 players, they all like tennis (T). 20 players like football (F), 16 players like volley ball (V) and some players like all the three games (x). if 4 players like tennis only,

a) Draw a venn diagram to show this information. (3mks)

b) Find the number of players who likes all three games. (2mks)

c) Find the probability of selecting a player who likes all the three games. (1mk)

24. A cyclist began the journey at 9.00a.m moving at an average speed of 40km/hr for  $2\frac{1}{2}$  hours and then rested for  $\frac{1}{2}$  hr again covered the rest of the journey in 2 hours at a speed of 60km/hr.

a) How long did the journey take? (2mks)

b) Calculate the total distance covered by the cyclist. (3mks)

25. Mukasa went to star supermarket in Lyantonde and bought the following items as shown in the table. Study it and answer the questions that follow.

Item	Quantity	Rate	Amount
Bread	3 loaves	sh.2000 per loaf	sh
Sugar	750 grams	sh.            each kg	sh.2400
Omo		sh.4000 per kg	sh.10,000
<b>Total expenditure</b>			sh.

a) Complete the table.

(4mks)

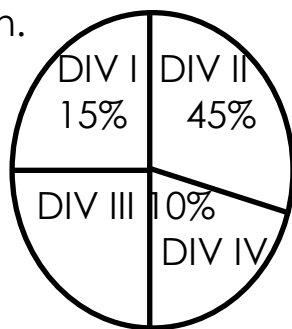
b) If Mukasa was given a discount of 20%, how much money did he pay?

26(a) Using a ruler, pencil and a pair of compasses only, construct a parallelogram WXYZ in which  $\overline{WX}$  is parallel to  $\overline{YZ}$ ,  $WX = \overline{XY} = 6\text{cm}$  and angle  $WXY = 120^\circ$

b) Measure diagonal XZ.

(1mk)

27. The circle graph below shows the performance of a class in Mid-term II examination.



a) If 6 pupils passed in division III, how many pupils were in class? (3mks)

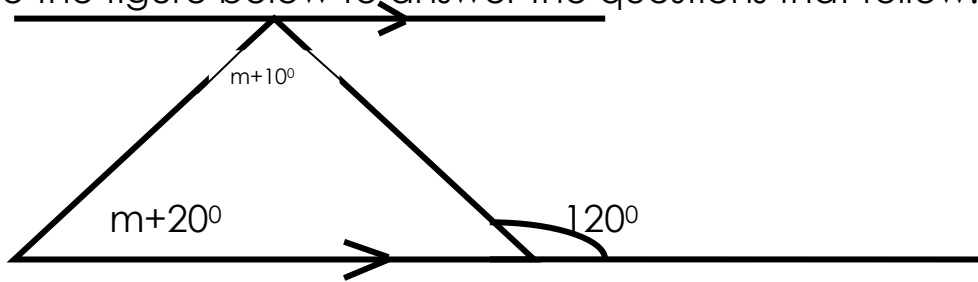
b) How many more pupils passed in division II than division I? (2mks)

28. Robert bought a radio and sold it to Patrick at Sh.22,000 realizing a profit of 10%. Patrick later also sold it to Edwin at a loss of 20%.

a) At what price did Robert buy this radio? (2mks)

b) How much money did Edwin pay for this radio? (2mks)

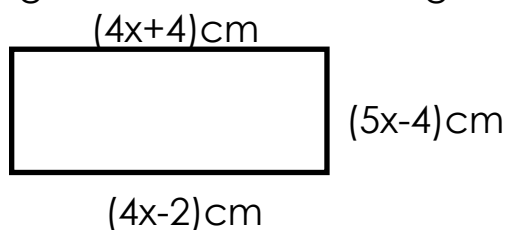
29. Use the figure below to answer the questions that follow.



a) Calculate the value of  $m$ . (2mks)

b) Find the size of angle  $r$ . (2mks)

30. The figure below is a rectangle. Use it to answer the questions that follow.



a) Find the value of  $x$ . (3mks)

b) Calculate the distance round the figure. (2mks)

31. Mr. Kasoozi is 20 yrs older than his daughter Susan. In ten time, he will be twice as old as his daughter.

a) How old is Susan now? (2mks)

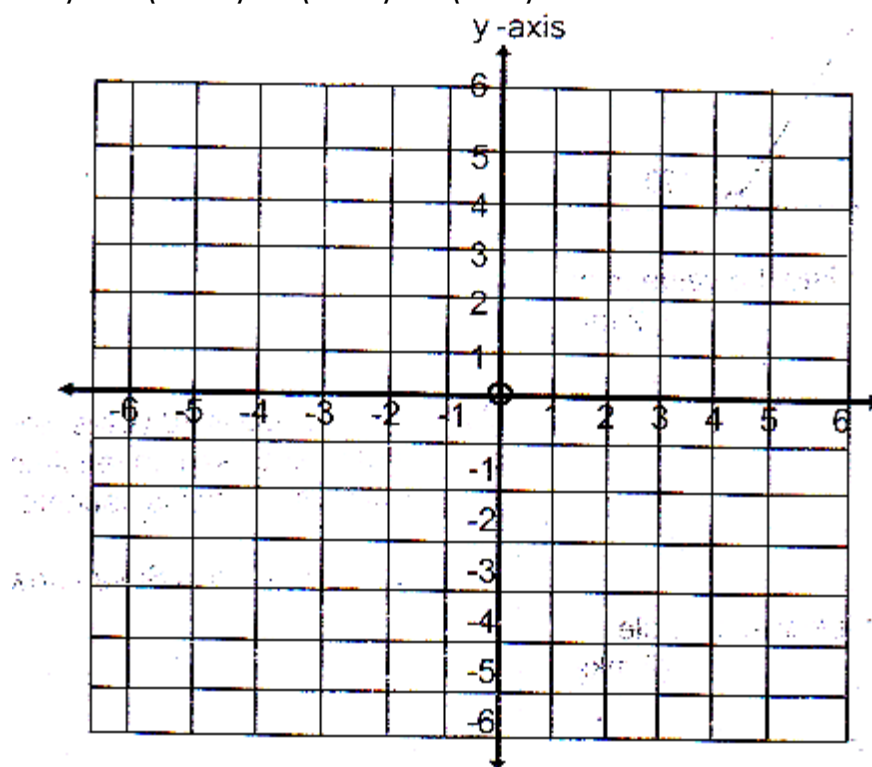
b) What will be the total age of the daughter and her father in ten years time? (2mks)



32. In the grid below, plot the following ordered pairs.

L(-5, 3) M(-5, -3) N(6, -3) P(2, 3)

(4mks)



a) Join up the points to form a polygon. (1mk)

b) Name the polygon. (1mk)

\*\*\*\*\*GOD BLESS\*\*\*\*\*