

UNIQUE STAR EXAMINATIONS BOARD

PRE PRIMARY LEAVING MOCK SET THREE

2024

## MATHEMATICS

Time allowed: 2 hours 30 minutes

Candidate's name: KAKOOZA PASCAL.

Candidate's signature: Kakooza Pascal.

School Random number:

District No.:

#### Read the following instructions carefully:

 Do not write your school or district name anywhere on this paper.

12 JUL 2024

TRECTOR / CEC

- This paper has two sections: A and B.
   Section A has 20 questions and section B has 12 questions. The paper has 15 printed papers altogether.
- Answer all questions. All the working for both sections A and B must be shown in the spaces provided.
- All working must be done using a blue or black ball point pen or ink. Any work done in pencil other than graphs and diagrams will <u>NOT</u> be marked.
- 5. No calculators are allowed in the examination room.
- Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
- Do not fill anything in the table indicated: "For examiners' use only" and the boxes inside the question paper.

FOR EXAMINER'S USE ONLY					
Qn. No.	MARKS	EXR'S NO.			
1 - 5	5 17 p				
6 - 10		7.11			
11 - 15					
16 - 20					
21 - 22	***** - 1 · · ·				
23 - 24					
25 - 26		P 71.12			
27 - 28	- 157				
29 - 30	X 17	14			
31 - 32	4 /-2				
TOTAL	1/2				

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Turn over



## **GECTION A: 40 MARKS**

Answer all the questions in this section. Questions 1 to 20 carry two marks each.

1.	Work	out:	42	X	3
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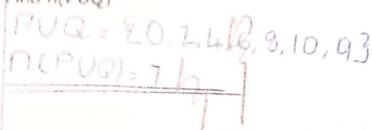
4 24 X 3 126 126

Expand 6078 using powers of ten.

0070	ping power.	g or tern.			
Powers		400			
Numbers	607	311			
6X103)+((	DX102)+	(7X10	146	SXIO	)
			0	- 110	_

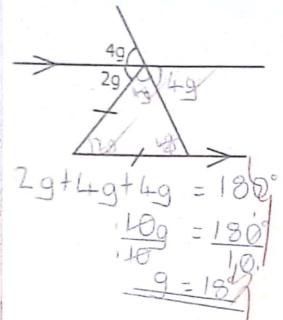
3. Write CDLVI in Hindu-Arabic numerals

4. Given that  $P = \{0, 2, 4, 6, 8, 10\}$  and  $R = \{4, 6, 8, 9\}$ .



5. Round off 4.195 to the nearest hundredth.



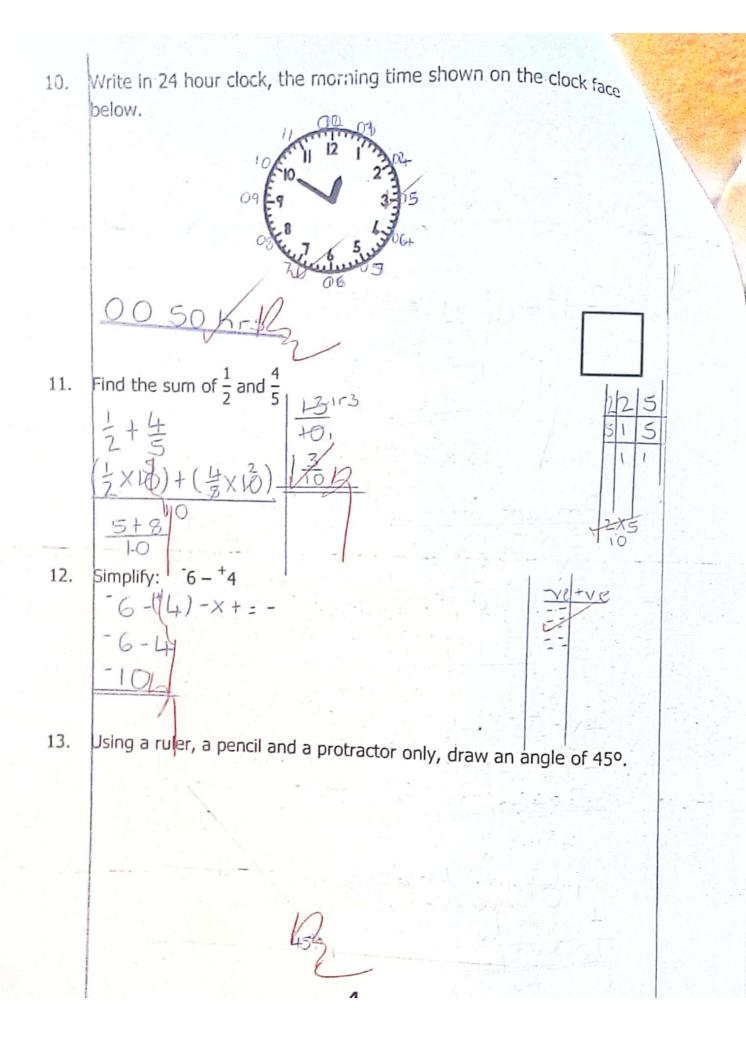


7. A trader bought a dozen of cups at sh 4,800. He later sold each cup

at sh 500. Find his profit.

an soo. Thu his profit.	1
Amount afterse	Ili na
5h 500/	3
X	
1000	
50011	
Sh 60000	

Simplify: 
$$4y - 5e - y - e$$



Solve the equation:  $\frac{p}{3} + 2p = 14$ 

$$\frac{P}{3} + 2P = 14$$
  
 $\frac{(P \times 3)}{(3 \times 3)} + (2p \times 4) = (14 \times 3)$ 

Change 0.75 kilometres to metres. 15.



Work out: 5 – 6 (finite 7) 16.

Find the highest number of boys that can share either 18 pens or 17. 24 pens leaving no remainder.

Turn Over

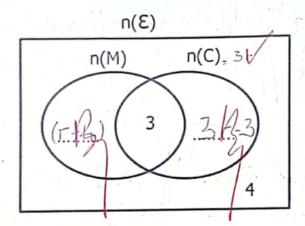
	The meanth below re	epresents the number of pupils in different upper
		The second control of
	than Primary Five.	Use the graph to answer the question that follows.
	Primary Five	
	Printed J 1170	
	Primary Six	
	Princes & 200	
	Primary Seven	
	Primary Seren	the control of the co
	and the sumber of	of pupils in Primary Seven 1922 pupils
	Find the number of	The property of the property o
	1	
	No To	10 lo in Primary Seven
	x 2-4	
19.	Line distributive p	operty to work out: (12 × 239) + (12 × 261)
5.775	(12×23)	9)+(12×261) [261]
	12×(250+	7 (1)
	12x(500	
	12x5007	
	600b/	
20,	The number of pi	apils in the school last year was 1080. This year, the based in the ratio of 5:9. Find the number of pupils
,	in the school this	
	15 4129	
	9. X 140	
	1207	
	X 5	
	6000	Manager in co.
		6

### SECTION B: 60 MARKS

Answer all questions in this section.

Marks for each question are indicated in brackets.

- 21. At Mpisa Primary School, all candidates attended the leavers' party. (r+4) candidates were served with meat (M) only, 3r were served with chicken (C), 3 were served with both meat and chicken while 4 candidates were served with neither of the two dishes.
  - (a) Use the given information to complete the Venn diagram below.



(02 marks)

(b) Given that the number of candidates served with chicken only was the same as the number of those served with meat.

Find the;

(i) value of r.

31-313=147+3

125 / 2, 12 - 5 9 (02 marks)

ii) number of candidates at Mpisa Primary School.

r+4+3+3-3+4-3 +++11-3+4-3

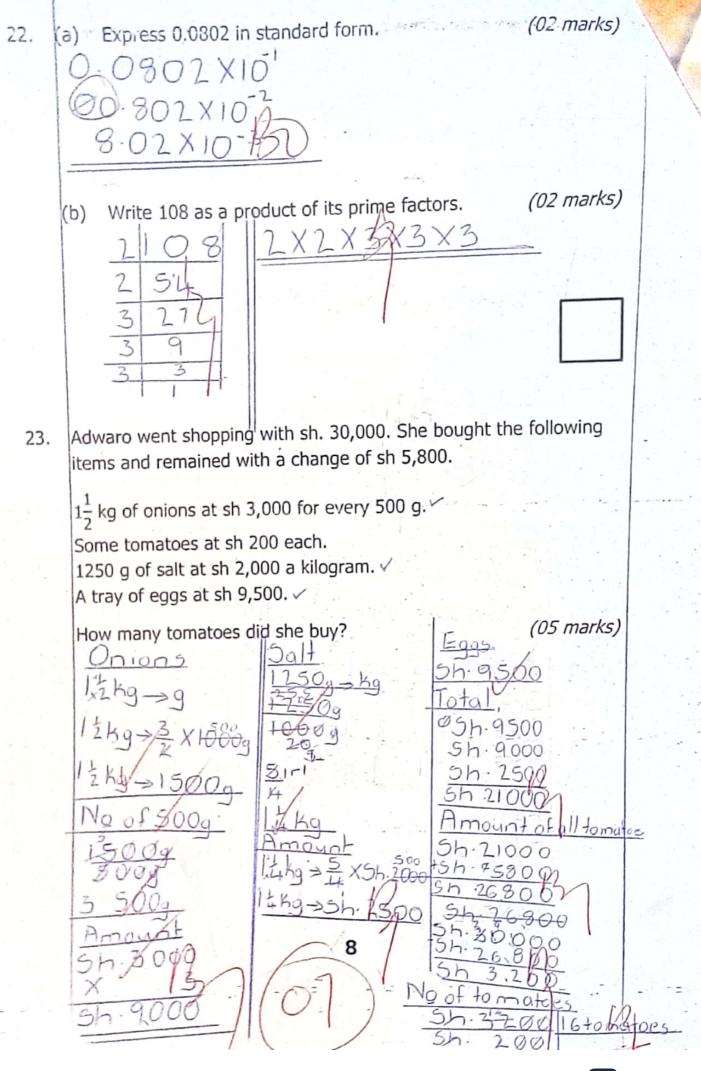
4×5)+8

20+8

(02 marks)

28 ppils.

Turn Over



24. Pupils did a test and scored marks shown in the table below.

		14.		
Number of pupils	5	3	4	3
Marks scored	72	80	d	90

How many pupils did the test? (a)

(01 mark)

(5+3)/(4+3) pupils

(b) If the mean mark was 78, find the value of d.

(03 marks)

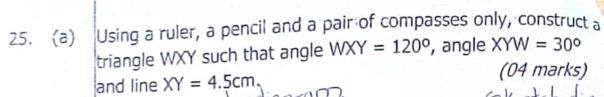
= mean

72×5)+(3×80)+(4×d)+(3×90)=78

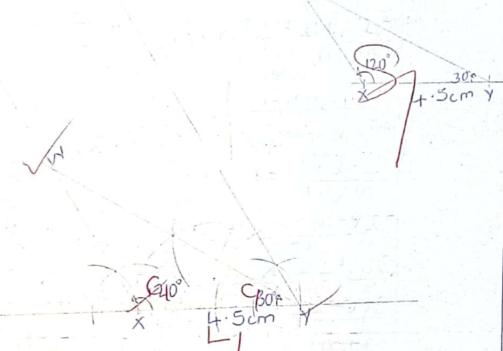
1170 300

Calculate the range of marks. (c)

(01 mark)



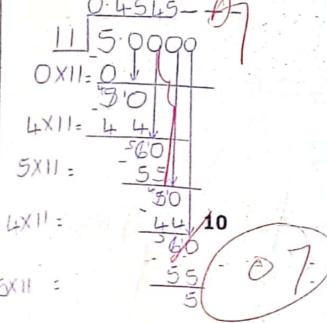


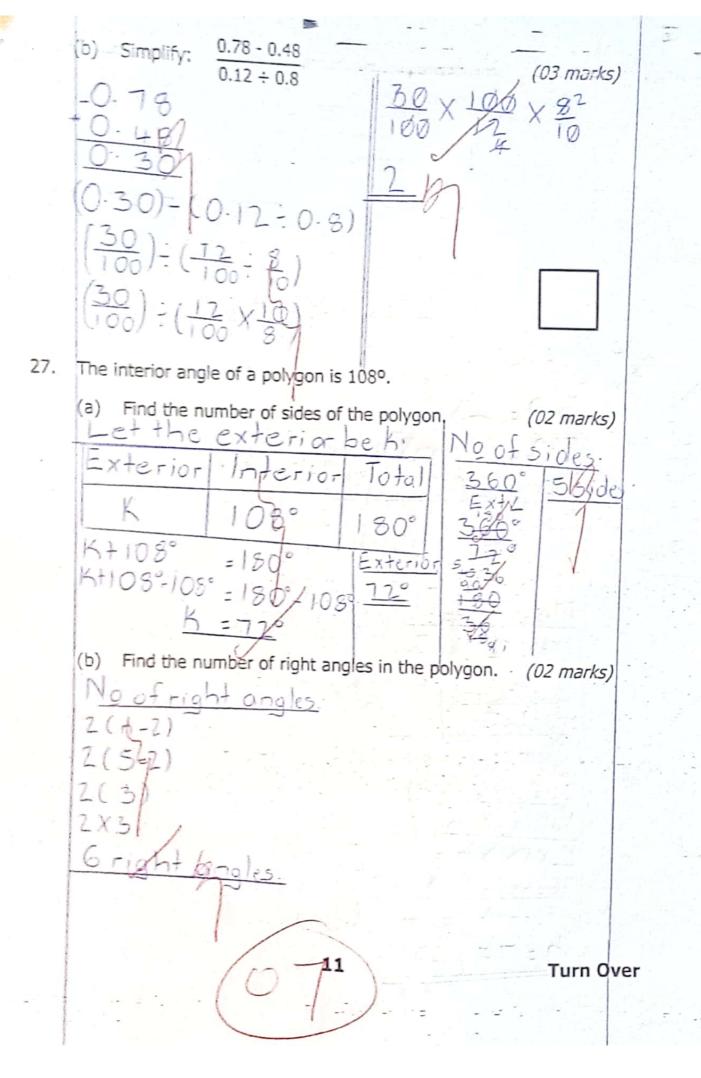


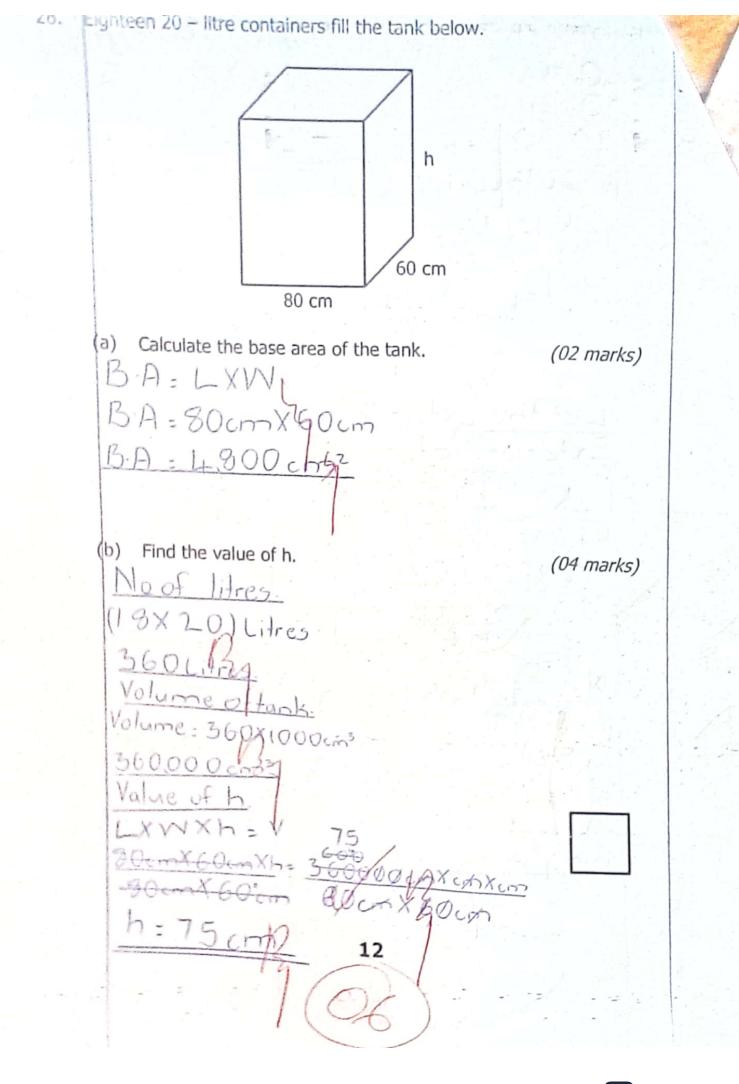




26. (a) Express 
$$\frac{5}{11}$$
 as a recurring decimal. (02 marks)

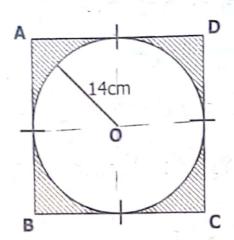






29.	Chebet left Town C for Town D at 11:45 a.m. driving at an average	
	speed of 60 kilometres per hour. He reached Town D at 2:15 p.m.	
	How fat is Town D from Town C? (04 marks)	
	8/ 5=60km/h. P/	===
	11 450 m:	F
	lime D=5XT	60
	215/ D=60km x 2 1 hours	15
	14 Bhrs bour	5:60
	14134 D= 68 Km X \$	1115
	1145	75
	23 62 D-150Klm	30
	3 Z 2 hrb	
30.		
	age of the two children is 27 years	1
	(a) Find the value of n. (02 marks)	
	HABIRI Mbajjo Total n=13	
	15-n+15 = 27	
	15+15-n = 57	
	30 30	
	70-30-0 = 29-30	
	(b) How old was Akiki 5 years ago? (02 marks)  Ahihi now Akiki 5 years ago.	
	15-0 17-5) years	
	13-19 - Tyedro.	
	1-199	
	13 Turn Over	
	( ) ( )	

31. In the diagram below, a circle with centre **O** and radius 14 cm is enclosed in a square **ABCD**. Parts of the square are shaded as shown. Study the diagram and use it to answer questions that follow.



(a) Find length CD in centimetres.

(02 marks)

28cm CD=286m

(b) Calculate the area of the shaded part.

(04 marks)

A= 28cm X28cm
A= 784cm<sup>2</sup>

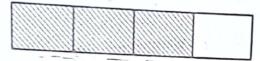
A= 11/2

A=

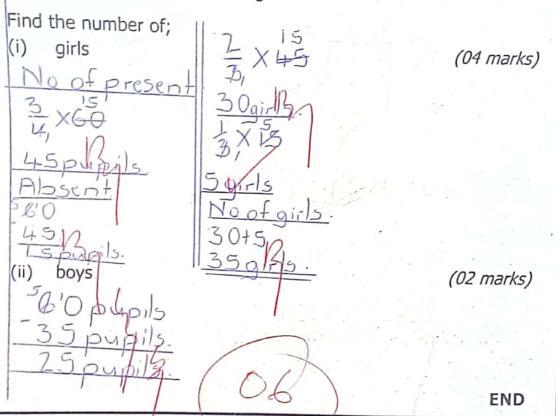
616 gm² 168 chigh

14

32. The un shaded fraction in the drawing below represents the number of pupils who are absent in a class of 60 pupils.



Given that two thirds of the pupils who are present and a third of the pupils who are absent are girls.



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