

UGANDA NATIONAL EXAMINATIONS BOARD PRIMARY LEAVING EXAMINATION

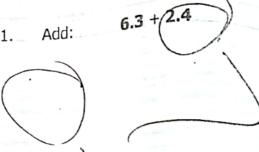
2023	
MATHEMATICS Time allowed: 2 hours 30 mint	Personal No.
Index No. Random No.	Person
Kandom 140.	
Candidate's Name:	
Candidate's Signature:	
District No.:	
Read the following instructions carefully:	FOR EXAMINERS USE
 The paper has two sections: A and B. Section A has 20 questions (40 marks) 	Qn. No MARKS EXR'S.
2 Caction B has 12 questions (60 marks)	No.
4 Answer all questions. All answers to both sections in	1-5
B must be written in the spaces provided.	6-10
all answers must be written using a blue of black built	11 – 15
point pen or ink. Diagrams should be drawn in pencil.	16 – 20
6. Unnecessary changes in your work may lead to loss of	21 – 22
marks. 7. Any handwriting that cannot be easily read may lead to	23 – 24
7. Any handwriting triat common	25 – 26
loss of marks. 8. Do not fill anything in the table indicated: 1. 2 and boxes inside the question	
8. Do not fill anything in the table made the question "For Examiner's use only" and boxes inside the question	29 – 30
paper.	31 – 32
	TOTAL V

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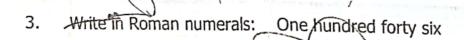
Turn Over

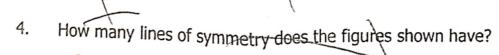
Answer all questions in this section Question 1 to 20 carry two marks each.

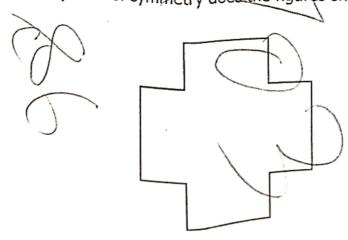
Add:



Express 0020 hours as a 12-hour clock time.









6. Six men can dig a trench in 16 days. How many more days will 4 men take to finish the same task working at the same pace?



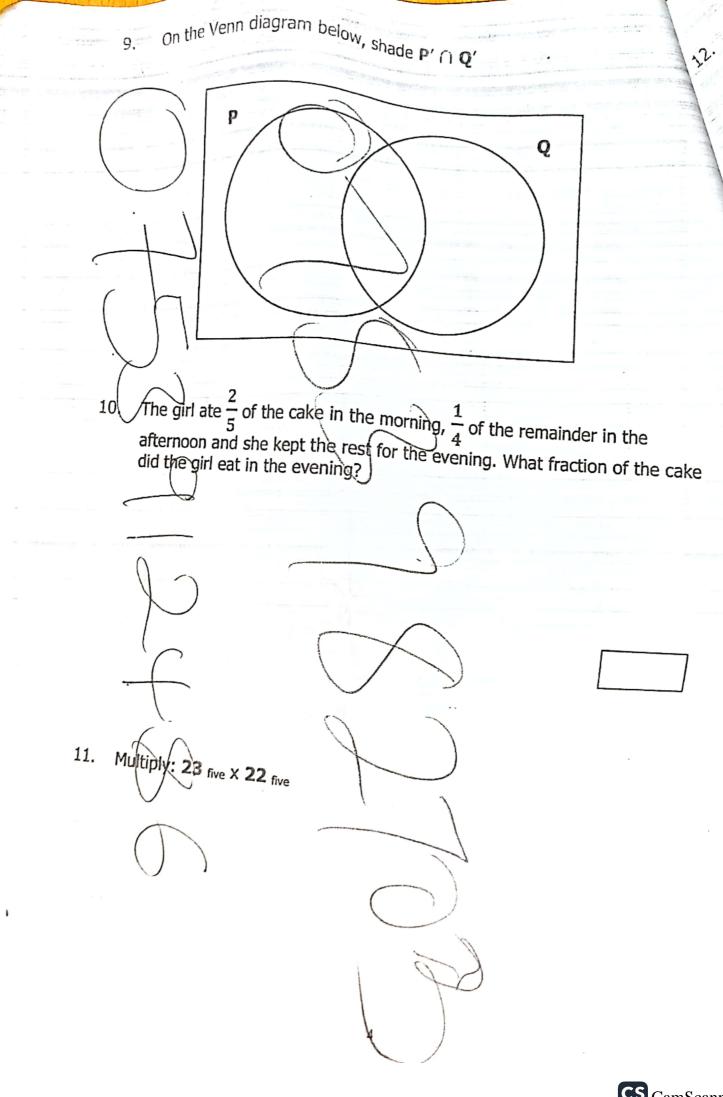
7. Subtract: (2x + 1) from (4x - 3)



8. Workout (3.4 x 123) – (23 x 3.4) using distributive property.



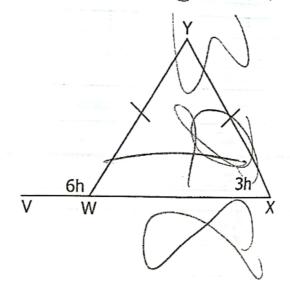
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12. By selling a DVD player at Sh. **150000**, an electrician made profit of Sh. **50000**. What was the cost price of the DVD player?

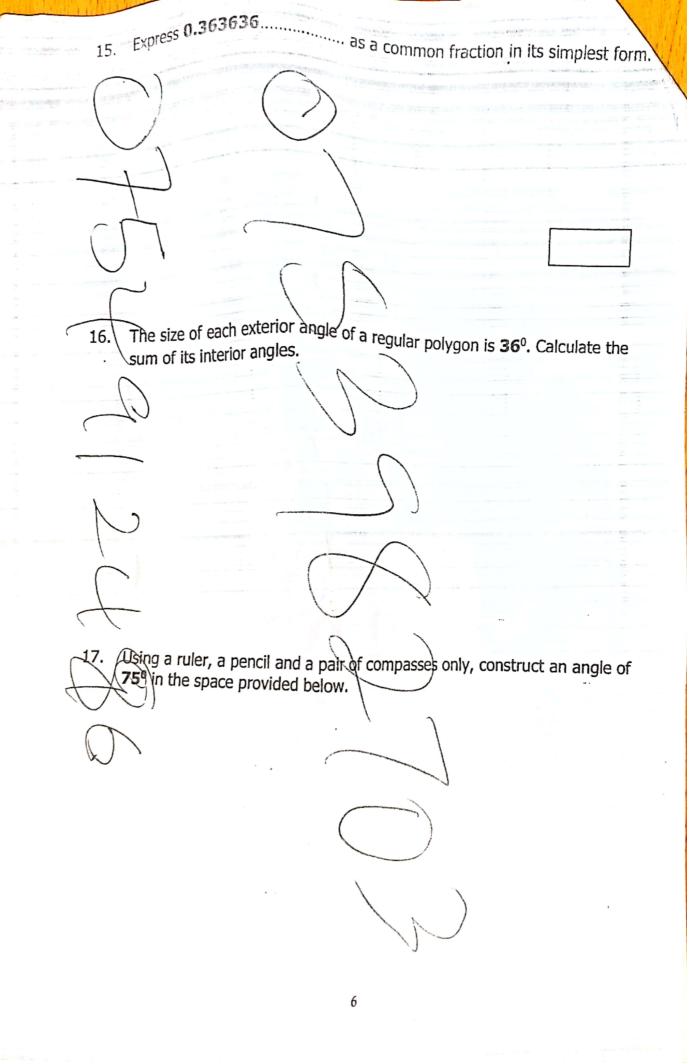


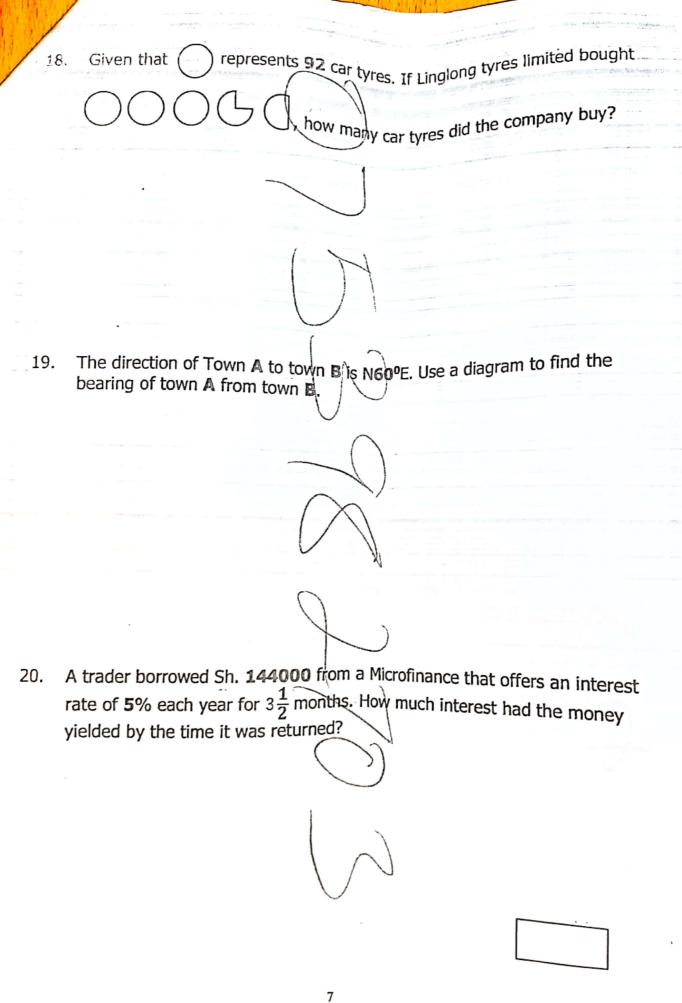
13. In the figure below, WXY is a triangle and VWX is a straight line. Find the value of h.



14. Find the cube root of the square of 8.





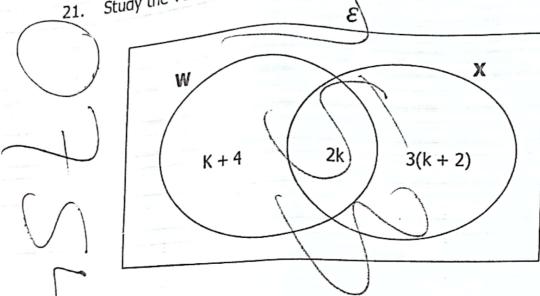


SECTION B: (60 MARKS)

Answer all questions in this section

Marks for each question are indicated in the brackets.

21. Study the Venn diagram below and answer the questions that follow.



(a) If $n(\mathbf{W}) = 25$, find the value of k.

(3 marks)



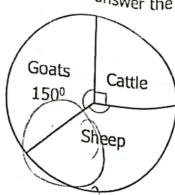
(b) Find n(WUX)

(2 marks)





22. The pie-chart below shows the types of domestic animals reared by farmers in Dowe village. Use it to answer the questions that follow.



(a) If the farmers in Dowe village rear 200 sheep. Find the total number of domestic animals in Dowe village.

(3 marks)

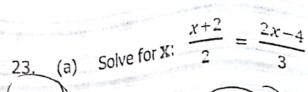
(b) If farmers decide to sell half of the number of goats at Sh. **150000** per goat. How much money will they receive?

(3 marks)





Turn Over





(3 marks)

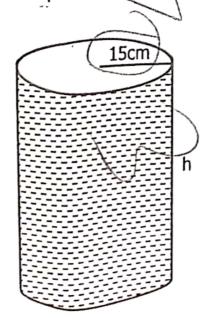


Alex is twice as old as Betty now If the product of their age is 8, how old will Betty be in 5 years' time?

(2 marks)



24. The volume of the fuel tank below is 19800cm³ and has radius of **15**cm. Study and use it to answer questions that follow.



(a) Calculate the height (h) of the fuel tank.

(Use
$$\pi = \frac{22}{7}$$
)

(3 marks)



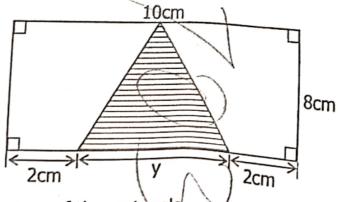
(b) Find the capacity of the fuel tank shown above when it is $\frac{1}{4}$ filled with fuel.



(2 marks)

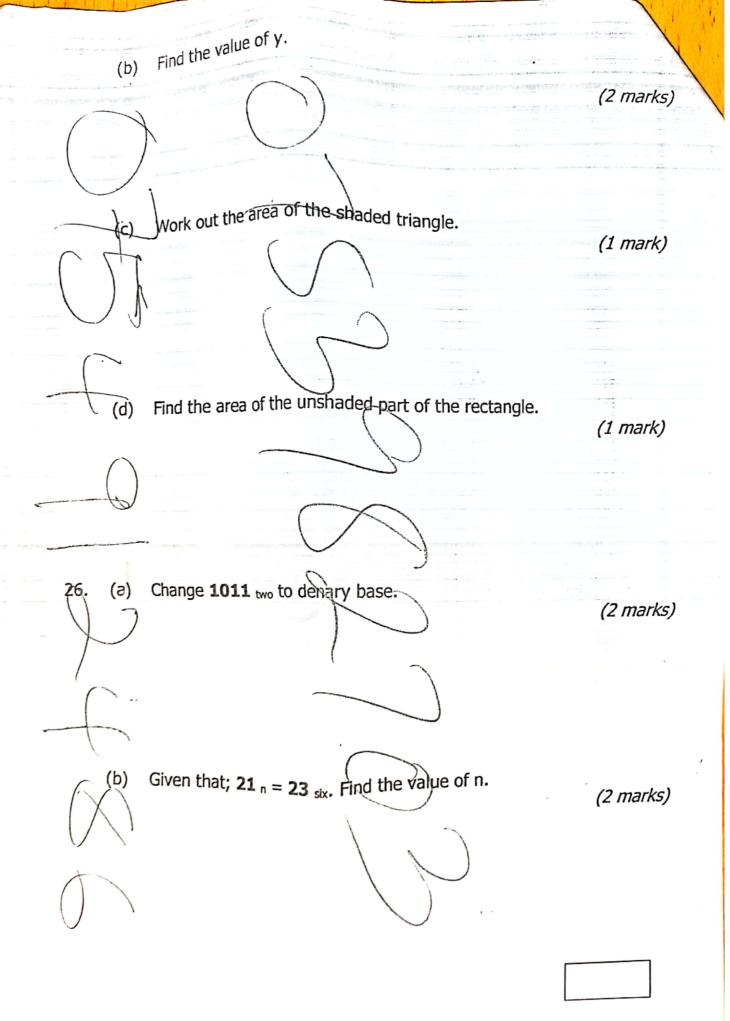


25. The figure below is a rectangle having length of 10cm and width 8cm. Study the figure and use it to answer questions that follow.



(a) Find the area of the rectangle.

(1 mark)



27. At a certain primary school, three bells ring at intervals of 20, 30 and 40 minutes for lower, middle and upper primary classes respectively. If they last rang together at 10:00 am at what time will they ring together again?

(5 marks)



28. The table below shows the points scored by pupils in a spelling bee competition.

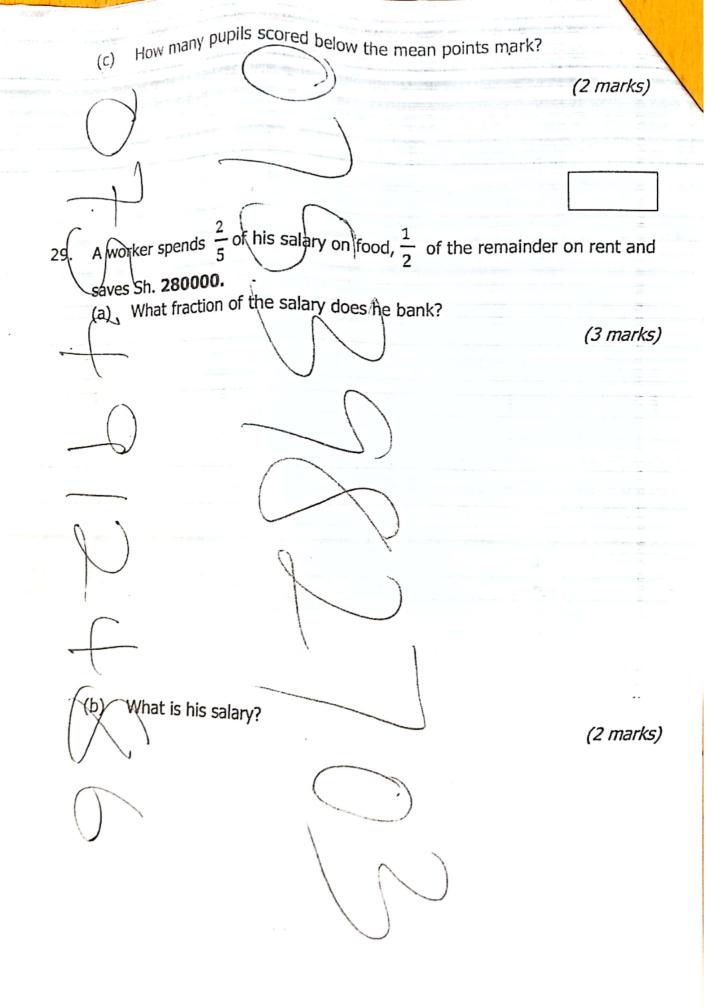
Points	85 75	80	95
Number of pupils	3 1	4	2

(a) How many pupils participated in the competition?

(1 mark)

(b) Find the median points.

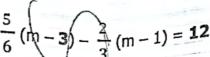
(2 marks)







(b) Solve the equation: $\frac{5}{6}$



(3 marks)



31. (a) With the help of a ruler sharp pencil and a pair of compasses only construct a triangle ABC in which angle ABC = 90°, line BC = 8cm and line BA = 6cm.





(c) Measure the length of line AC in cm.

(1 mark)

A motorist left Lube town at 8:45a.m and travelled at a steady speed of A motorist left Lucy Mapo town at 10:15am. He returned within 45minutes. 32. Find the speed of the motorist from Jinja to Kampala. the speed of the town from Lube town? (3 marks) Find his the average speed of the motorist for the whole journey. (b) (2 marks) END