WAKISO DISTRICT JOINT EXAMINATIONS BOARD

(WAKISO MAIN, KIRA, MAKINDYE AND NANSANA MUNICIPALITY)

PRIMARY SEVEN INTERNAL ASSESSMENT

2020

MATHEMATICS

Time Allowed: 2 Hours 30 Minutes

Index No.	Random No.						Personal No.		

Candidate's Name.....

Candidate's signature.....

School Name.....

District / Municipality.....

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

Read the following Instructions Carefully:

1. This paper has **two** sections. **A** and **B**
2. Section **A** has **20** questions **40** marks.
3. Section **B** has **12** questions **60** marks.
4. Answer all questions. All the working for both sections **A** and **B** must be shown in the spaces provided.
5. **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 **not** be marked.
6. **No calculators** are allowed in the examination room.
7. Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated: **"For examiners' use only"**

FOR EXAMINER'S USE ONLY

FOR EXAMINER'S USE ONLY		
Qn.No.	MARKS	EXR'S NO.
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

ORGANISED AND PUBLISHED BY:

W.A.D.E.B

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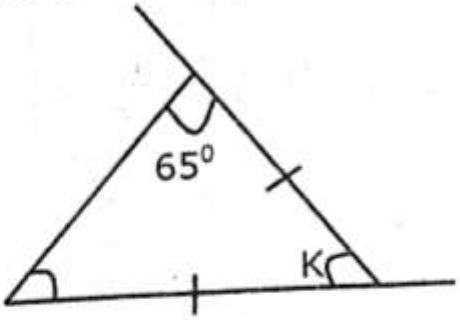
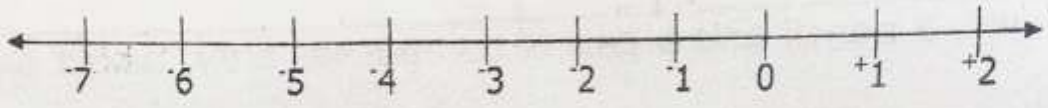
Section A 20 Numbers (40 Marks)

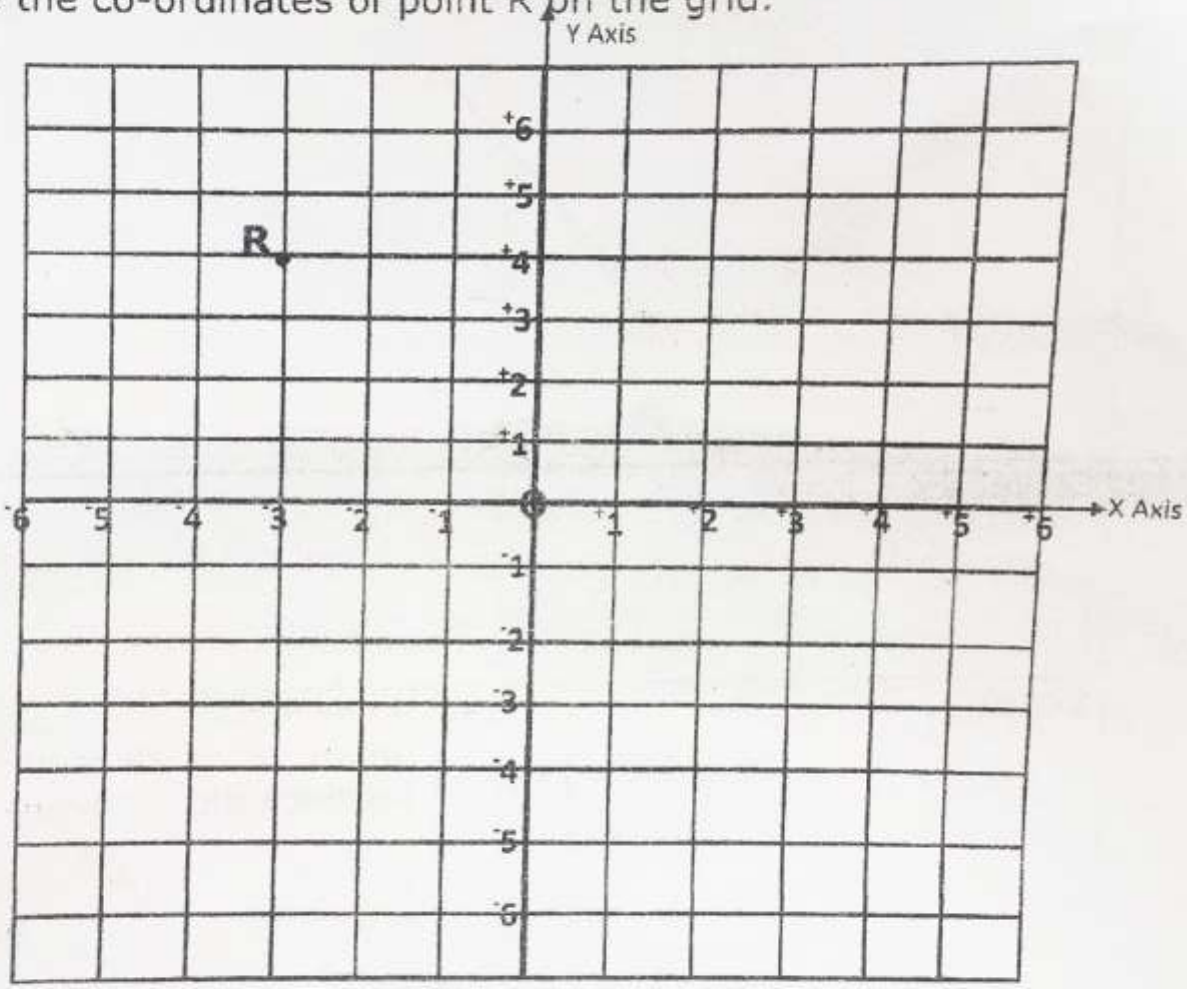
1.	Work out: 53-21	2.	Write in figures: Twenty one thousand four.
3.	Simplify: 2x-3x+3x	4.	The checking of temperatures for candidates on a reporting day that lasted for 50 minutes, ended at 9:20am. When did the checking begin?
5.	Express $\frac{3}{4}$ as a decimal fraction	6.	Find the next number in the sequence.29,24,20,17, _____
7.	In the triangle below, find the size of angle marked K 	8.	Given set C ={a,d,t,n} and set D={a,k,n} find n (C-D)

9.	Add: $101_{two} + 11_{two}$	10.	Write 44 in Roman numerals.
11.	Using a ruler, a pencil and a pair of compasses only, bisect the line below. 		
12.	Solve: $2y - 3 = 7$		
13.	Simplify: $^{-}3 - ^{-}7$	14.	A car moved at a speed of 48km/hr for 20 minutes: What distance did it cover?

15. Work out 2x⁻3 using a number line below.



16. State the co-ordinates of point R on the grid.

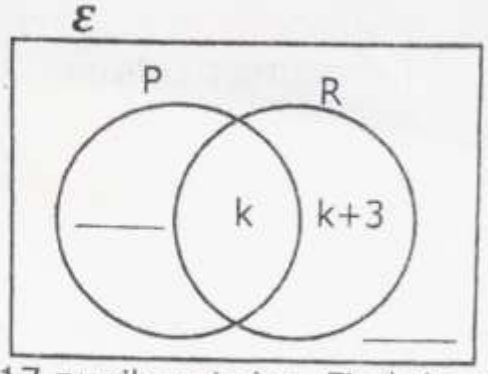


17.	A father is twice his son's age. Given that the sum of their ages is 90, how old is the father?	18.	Stephen's temperature in degrees Celsius (^{0}c) that was recorded in the first week of term two in Kireka clu primary school was as follows: 36.2, 36.9, 36.8,35.9,37.2 . Find Stephen's average temperature in degrees Celsius.
19.	Construct an angle of 120^0	20.	In a group of 196 people, who tested for Covid 19 in Wakiso District, $\frac{1}{4}$ were male and the rest were female. How many female tested for Covid 19.

Section B 12 Numbers(60 Marks)

21. In a class, 21 pupils eat posho(P) and k+3 eat rice (R)only. K pupils eat both posho and rice while 5 eat neither of the two types of food.

a) Use the above information to complete the venn diagram below.



(2 marks)

b)If 17 pupils eat rice. Find the value of K

(2 marks)

22. a)Subtract a+7 from 2a-8 (2 marks)

(2 marks)

b)Work out : 134 x 52

c) Find the value of P if $103_p = 19$ (2 marks)

23. a) Simplify: $\frac{2.4 \times 0.048}{0.072}$

(3 marks)

b) Decrease 2000 in the ratio of 3:5

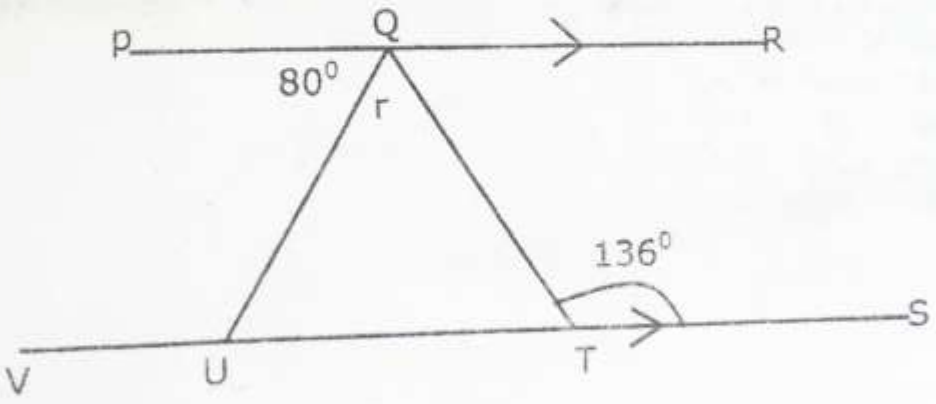
(2 marks)

24. The interior angle sum of a regular polygon is 1440^0

a) Name the polygon

(3 marks)

b) Find the size of angle r



(3 marks)

25. A certain amount of money was shared among three daughters. Alice, grace and christine in the ratio of 2:3:5
If Christine got Sh. 21000 more than Alice.
a)How much did each one get ? *(4 marks)*

b) Express Grace's share as a percetange?

(1 mark)

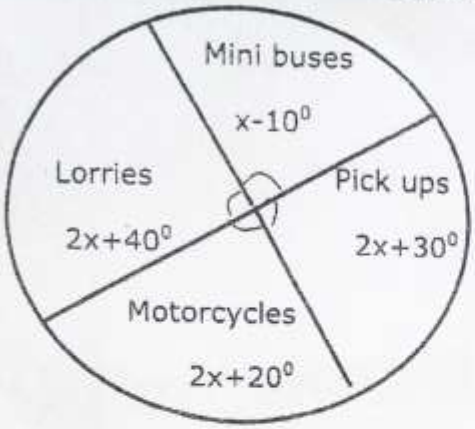
26. Nakasolya went to the super market and bought the following items:
3 litres of milk at 3000 per litre
500ml of cooking oil at sh. 5000 per litre
10 pineapples at sh. 10,000 for every 5 pineapples
a) Calculate the total cost of the items.

(4 marks)

b) If she was given change of sh.8500, how much money did she have at the beginning ?

(1 mark)

27. The pie – chart below represents the vehicles which were imported to the country in one month.



a) Find the value of x

(2 marks)

b) If the number of motorcycles imported were 200, what was the total number of vehicles imported?

(2 marks)

28. a) Write 7468 in standard form. *(1 mark)*

b) Round off 169.93 to the nearest whole number. *(1 mark)*

c) Find the sum of the place value of 2 and the value of 5 in the number 12,543.

(2 marks)

29. a) Using a ruler, a pencil and a pair of compasses only, construct a triangle ABC where AB= 8cm, $<A=90^0$ and AC = 6cm

(4 marks)

b)Measure line BC

(1 mark)

30. The time table shows the arrival and departure times of an aeroplane travelling from Nairobi to Entebbe.

Airport	Arrival time	Departure time
Nairobi		11:15 a.m
Kigali	1:00pm	2:30 p.m
Lusaka	3:30 p.m	7:20p.m
Entebbe	9:00 p.m	

a) How long does the plane stay at lusaka?

(2 marks)

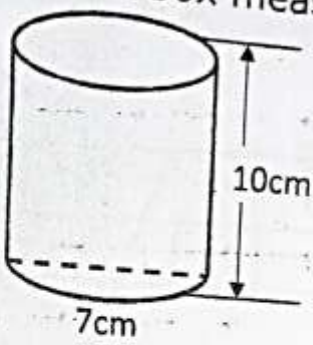
b) How long does the plane take to travel from Narobi to Entebbe?

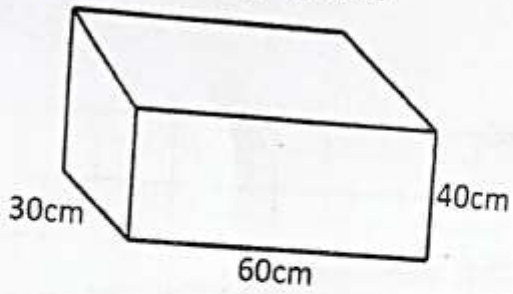
(2 marks)

c) What time does the plane arrive at Lusaka in the 24 hour clock?

(1 mark)

31. The cylindrical tins of diameter 7cm and height 10cm are packed in a box. If the box measures 60cm by 30 cm by 40cm.



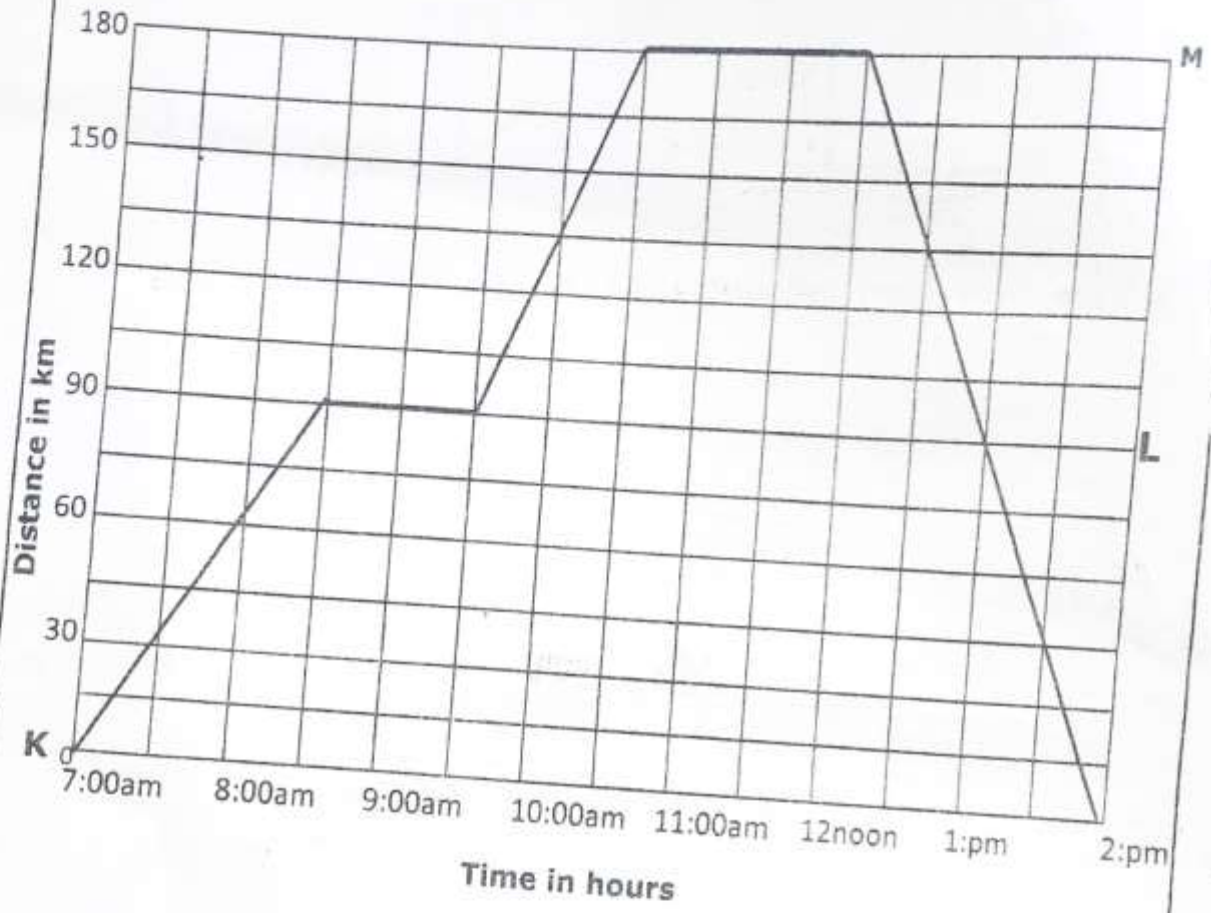


a) How many cylindrical tins can be packed in the box? *(2 marks)*

b) How many layers can be got from the box? *(2 marks)*

c) Calculate the space left unccupied in the big box. *(2 marks)*

32. The graph below shows a motorist who travelled from town **K** to town **M** back to **K**.



a) At what time did the motorist arrive at town L? *(1 mark)*

b) Calculate the distance between town L and M. *(2 marks)*

c) Calculate the average speed of the motorist while travelling back to town K.

(2 marks)