Mathematics

PM

4/11/2019 9:00 AM - 11:00 AM



Pupil's complete index number
Province/ District Sector School Pupil Year City
Pupil's names
Surname:
Other names:
NB: PUPIL'S INDEX NUMBER AND NAMES
MUST BE WRITTEN AS THEY APPEAR ON THE REGISTRATION FORM.

PRIMARY LEAVING NATIONAL EXAMINATIONS, 2019 MATHEMATICS

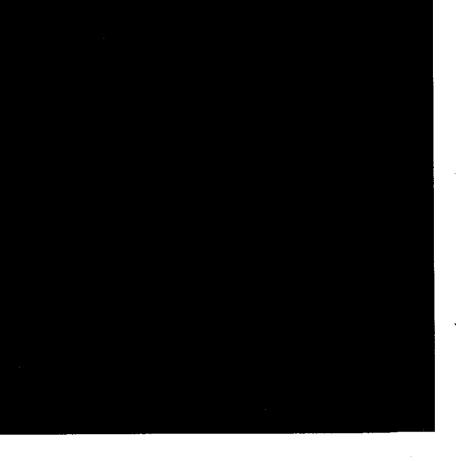
Duration: Two hours

Marks:

/100

INSTRUCTIONS

- 1) Do not open this question paper until you are told to do so.
- 2) This paper consists of 12 pages and 35 questions. Before starting, check if all pages and all questions are there and arranged in ascending order.
- 3) Answer **ALL** questions in this paper.
- 4) Read each question carefully before answering it.
- 5) Answer the questions in the space provided in this paper.
- 6) Show your working clearly. Marks will be given for showing steps. All rough work must be done in the space under each question.
- 7) You are allowed to use a ruler, and a protractor.
- 8) You are **NOT** allowed to use a calculator.
- 9) You must use a blue or black pen.



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ANSWER ALL QUESTIONS IN THIS PAPER (100 marks)

Do rough work below each question		Show the working steps and final answer in this column
1) Write the biggest number of 8 digits forme	ed by the	
digits below:		
2;3;8;5;4;7;1;9	(2marks)	
2) Arrange the following integers from the lower	est to the	
highest8;-1;+7;+1;+2;-4	(2marks)	
0) 777 '4 41 1 1 1 6 1' '4 1 6 11	•	
3) Write the place value of digit 1 in the follownumber:	wing	
number.		
18,526,739	(2marks)	
•		
4) Write in words the following number: 277,8	18,599	
	(2marks)	
5) If $b = 4$, calculate: $48 - (15 + b) =$	(2marks)	
6) Find 5% of 45000 <i>Frw</i>	(2marks)	
7) Solve for χ in the following equation:		
2(x-1) = x-3	(2marks)	
	,	
		·

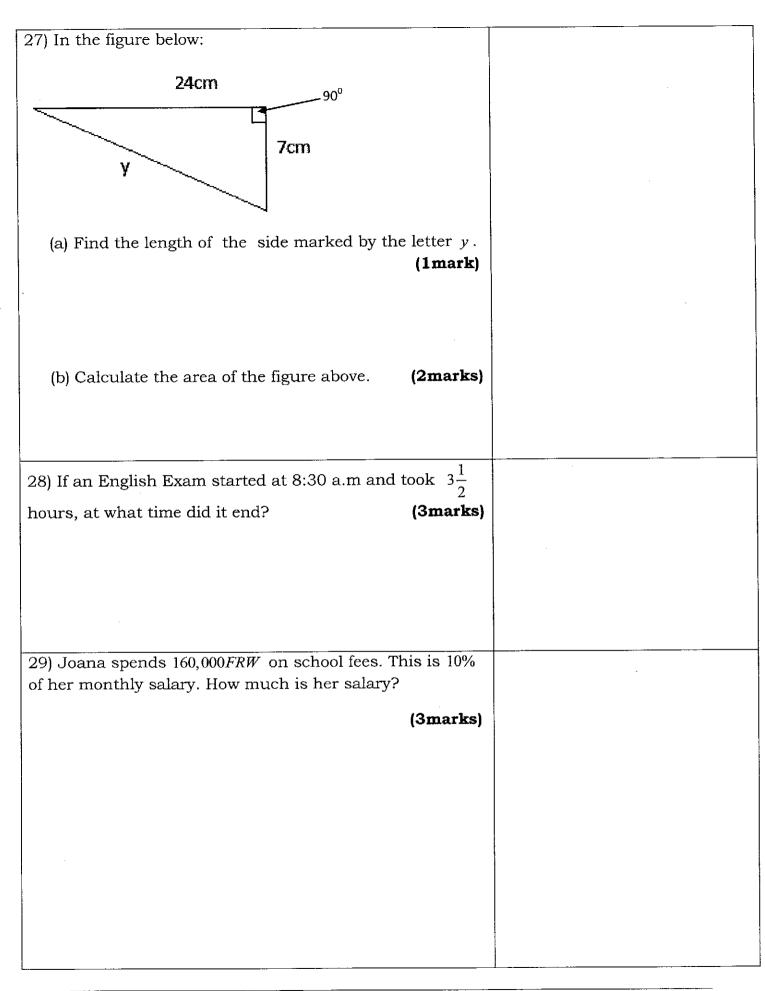
8) Round off 76,948 to the nearest thousands	(2marks)	
,	,	
9) Express the following fraction as a decimal to	2 decimal	
places.		
}		
$2\frac{5}{6} =$	(2marks)	
6	(manual and)	
10) Calculate: $4^3 - \sqrt{100} =$		
10) Calculate: $4^{\circ} - \sqrt{100} =$	(2marks)	
,	•	
	_	
11) Workout the calculation below and simplify	the	
answer.		
4.28 + 63.12		
	(2marks)	
0.02	,	
		•
12) Find the next two numbers in the digits belo	w:	
,	· · ·	
0.511.00		
2;5;11;23;-;-		
—, ~ , ± +, <i>~</i> ~ ,	(2marks)	

13) Workout the fraction below and simplify t	he answer.	
1 2 8		
$(\frac{1}{5} + 3\frac{2}{6}) : \frac{8}{6} =$	(2marks)	
3 0 0		
14) 10,500 English books are shared among 5	0 students	
Find the number of books shared by each stu		
	(2marks)	
	-	
15) O-11-+- (0) (()	(0 1)	
15) Calculate: $(9)x(-6) =$	(2marks)	
		·
16) Write in words the following number:		
21,892,045	(2marks)	
		•
17) Evaluate: $6^6 - 4^4 =$	(2marks)	
	, ,	
19) Find CCE or Constant Common Factor of	120 and 00	-
18) Find GCF or Greatest Common Factor of	120 and 90	
	(2marks)	
	as aparticular	

19) Find the size of the exterior angle of a regular if its interior angle is 80° .	polygon (3marks)
20) Find the perimeter of the figure below	
5cm 8cm	
6cm 2cm	
4cm	
	2marks)
21) A man has 12 notes of 5000 frw; 20 notes of 1	000 frw
and 40 notes of 500 frw. Find the total amount of	1
22) There are 24 hours in one day, and there are minutes in one hour. How many minutes are ther day?	

,		
23) Calculate $3\frac{2}{5} + \frac{3}{4} =$	(2marks)	
24) Find the circumference of a circular garden		
radius is $36cm$ (use $\Pi = 3,14$)	(2marks)	
25) Write the following in descending order:	<u> </u>	
$0.05; 0.12; \frac{1}{2}; 0.55; \frac{2}{5}$	(2marks)	

26) Find the number whose square roots is 12. (2marks)



30) A water tank has a radius of 4,4m and a h	neight of		
$8m$. Find its volume. (use $\pi = 3.14$)	(3marks)		a.
	,		
		-	
31) a) A shopkeeper borrowed 240,000FRW for	6 months		
at an interest rate of 20% per annum .			
(i) Calculate the interest he should pay after th	e 6 months (2marks)		
ii) Colombata tha tud 1		İ	
ii) Calculate the total amount of money he will bank.	pay to the (2marks)		
	•		
b) Benita bought a radio at 45,000 frw and sold	it at		İ
32,000 frw i) Find the loss Benita made.	(1mark)		
,	(Imaik)		
(ii) Calculate the percentage of the loss	(2marks)		1
	(

32) A woman went to the market and bought the foll	owing
items:	

10kg of rice at 1,000Frw/1kg

20kg of meat at 3,000Frw/1kg

5litres of oil at 1,500Frw/1litre

15kg of Irish potatoes at 300Frw/1kg

(i) Complete the table below showing the budget she spent (5marks)

Item	Unit	Quantity	Total amount
nº	price		
1.Rice	1000Frw	10kg	1,000frw x 10= 10,000 frw
2.	****		
3.			
4.			
			Total = Frw

(ii) On what item did she spend most money? Why?

(1mark)

(iii) What was her balance after spending the money if she had 92,000 Frw in her pocket before buying? (1mark)

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35) The table below shows how primary six (P6) class scored in Kinyarwanda Test out of 100 marks.

Marks	50	20	45	30	70	65
Frequency	2	4	6	7	5	9

a) Complete the table below:

(2marks)

Marks(x)	Frequency(f)				
30	7				
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
$\sum x = \dots$	$\sum f = \dots$				

b) Answer the following questions

(i) How many pupils are in P6?

(1mark)

(ii) What is the mode marks?

(1mark)

(iii) Find the modal frequency

(1mark)

(iv) Calculate the range marks

(1mark)

(v) Find the mean marks?

(1mark)