MATHEMATICS PLE 2017 EXTRACT

PUPIL'S COMPLETE INDEX NUMBER Province/city District Sector School Pupil PUPIL'S FULL NAME Sur name :				
Other names :				
Calculate: 146,391 + 43,609 (2 marks)	2 Use a scale of I:1,500,000 to find the actual length of the line below: (2 marks)			
3 Complete the following sentences with: even, frequency, odd or ratio. (2 marks) a number can be divided exactly by 2. b is the number of times that something appears.	4 Calculate the volume of a rectangular tank measuring 6m long, 5m wide and 4m high. (Give the answer in litres) (2 marks)			
A bus left Huye on Tuesday at 8:00pm and arrived in Rubavu the next day at 2:00am. What time did the journey take? (2 marks)	6 Two complementary angles are t° and 43°. What is the value of angle t°? (2 marks)			
7 Calculate: 246 × 99 (2 marks)	8 Calculate the average of numbers 61, 52, 48, 21 and 58. (2 marks)			

	I dod	IQ.	Calculate: $8 \times 10^3 + 5 \times 10^5$ (2 marks)
9		1,5	Calculate: 6 X 10 1, 6 X 10 (2 marks)
	thousand and seven in figures. (2 marks)		
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	What are the next two numbers in the	12	Increase 850Frw by 20% (2 marks)
1 '	sequence? (2 marks)		
	sequence: (2 marke)		
	-23 ; -17 ; -11 ; ;		
		111	2 2 (5: 2) 2 (2 1)
13	3 Calculate: (250 + 45 × 4) - 15 ÷ 3	14	Solve: $3x - (5x - 2) = 0$ (2 marks)
	(2 marks)		
	1		
1			
		-1	
F	Write the first four prime numbers.	16	Express 0.25 hectares into ares.
	(2 marks)		(2 marks)
1	(2 Marks)		
		N.	
	5.		
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	17 Add and leave the answer in base two	- 11	8 Calculate the number of sides of a
	(binary): 11 two + 11 two (2 marks)		regular polygon whose exterior angle is
			20°. (2 marks)
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21	Fill in the missing figures: (2 marks) 3720seconds = hours minutes A child sold a hen at 4,299Frw. How much did he/she buy it if he made a loss of 16%? (2 marks)	20	Set A = {3, 7, 9, 11, 15, 17, 27, 37} and Set B = {3, 11, 27} (2 marks) a. List the members of ANB b. Describe the relationship between set A and set B. Write in words: 75.27 (2 marks)
23	Find the Lowest Common Multiple (LCM) of 624 and 208. (2 marks)	24	Find the area of a square garden whose perimeter is 164m. (2 marks)
25	Workout: 6 — 2.174 (2 marks)	26	Calculate: $\frac{12}{16} \times \frac{6}{9} + \frac{25}{50}$ (2 marks)
27	Find the area of the figure below. (3 mks. 15m	28	There are 235 guests at a wedding. What is the least number of circular tables needed to seat all the guests if each table seats exactly 8 people? (3 marks)

	29	The distance from the first to the last	30	F:f+
1		pole in a line is 5,540 metres. If the	30	Papilo Welle to bay a sum of
1		interval between two consecutive poles		4,500Frw. Some of them were un able
- 1		is 20m, (3 marks)		to pay their shares and each pupil of
1				the rest must pay 75Frw more. How
		a. how many intervals are there?		many pupils were unable to pay?
				(4 marks)
1				(1.114.110)
1				,
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ı		b. how many poles are there?		
I		many poles die There;		=
1				
			-	
	31	A radius of a cone is form and its all the		
	- 1	A radius of a cone is 6cm and its slanting s a. the total surface area. (5 marks)	ide (g) is 10cm. Using π = 3.14, calculate;
	- 1	marks)		b. the volume of the cone. (2 marks)
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3	2	Tap A takes 3 minutes to fill 1		
		Tap A takes 3 minutes to fill a tank and tap tank. How many minutes will it take to fill th	B to	akes 4 minutes to draw water from the
		tank. How many minutes will it take to fill th	e tai	nk if both taps are left open? (7 marks)
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33	Δ	husingsome		
00	11	businessman sold 9kg of two types of mixe ype cost 300Frw per kg. What is the cost	ed be	ans at 500Fre per ka but 4kg of an
	T	ype cost 300Frw per kg. What is the cost of	of ec	ich ka of the second turn 2 (7
	1			marks)
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.34	and the same of the same and the same and
	IT TOOK 2 hours to return to town A.
	a. Calculate the distance from town A to town B. (3 marks)
24 (5)	
	· ·
	b. Calculate the average speed for the whole journey. (4 marks)
35	A businesswoman got a loan of 180,000Frw from a bank at 10% per annum compound
	interest.
	a. How much interest did the businesswoman pay after 2 years? (5 marks)
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	±
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	b. What was the total amount that she returned to the bank? (2 marks)