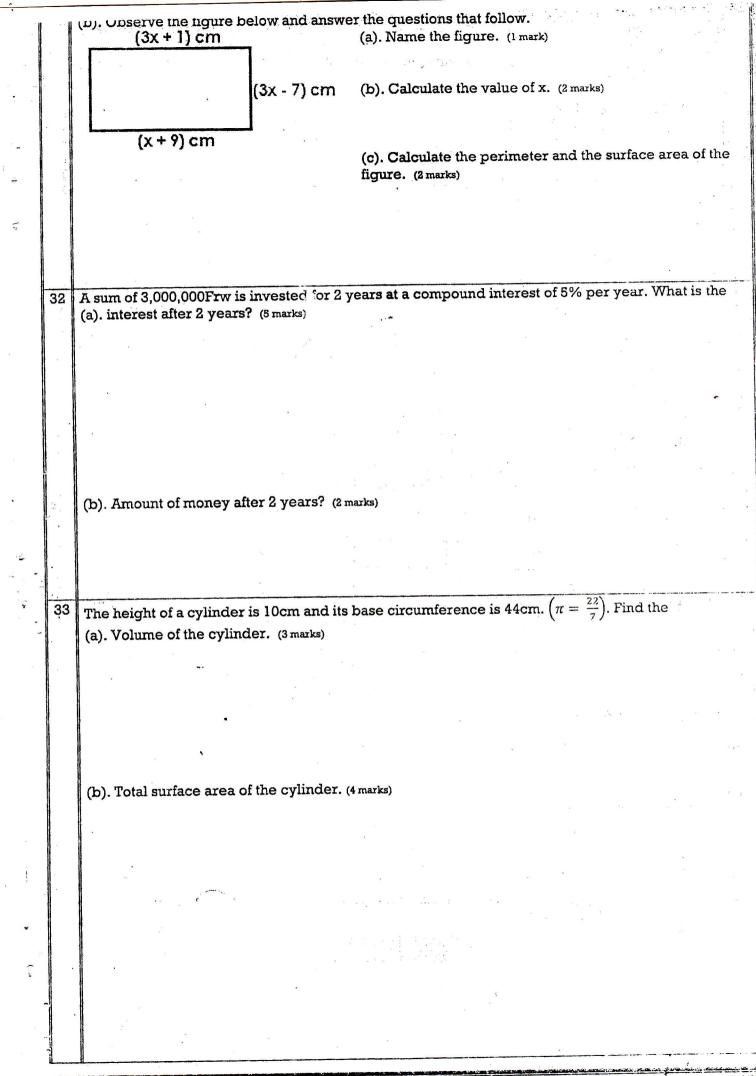
	PUPIL'S COMPLE	re r	NDEX NUMBER
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	OTHER NAMES:		
	REVISION OF EXTRAC	TE.	D QUESTIONS FROM
	PRIMARY LEAVING	EX	EAMINATION 2014
	MATHE		
	Duratio	n: 2	hours
1	Add: 563,091 + 36,909 (2 marks)	2	(a). What is the place value of 0 (zero) in the
			figure 460,123? (1 mark)
	·		
			, ,
Ī			
			(b). Write in figures: Six million, eight hundred
			thousand, twenty six. (1 mark)
ľ			8
3	What is the square root of 2.25? (2 marks)	4	Subtract: $0.2 \text{hm}^2 - 4 \text{dam}^2 = m^2 (2 \text{ marks})$
	_		*
	·		,
	,		•*
			a
5	Add and express the answer in binary:	6	Calculate: 2h 30min - 1h 45min (2 marks)
	101 _{two} + 10 _{three} (2 marks)		Canada, Bit Collett and Foliatt (2 marks)
	zostwo zolinies (grigges)		
	, · · ·		
	2		
			i i

/	In the figure below, find the value of x.	1 8	Find the mean of: 9, 3, 1, 8, 4 and 5.(2 marks)	11
- ∦ - 7	(2 marks)		2 1,10 dio mount on 0, 0, 1, 0, 4 did 0. (2 marks)	-
	4x -			
	TA X		, · · · · · · · · · · · · · · · · · · ·	
			1 1	1.35
				1
9		10	In the figure below, which of the angles a, b or c is equal; (2 marks)	
	(a). a rectangle have? (1 mark)		(a). to angle x? (b). to angle a?	
I			.,,	
	* 4			'
	(b). a square have? (1 mark)		- \(\frac{b}{c} \)	
	. / .			
			x /a	
			7	-
11	Find the area of a square whose perimeter is	12	Express 105 as a product of its prime factors.	
	18cm. (2 marks)		(2 marks)	
				١.
				3
				7
	,			-
	*		**	1
				7
13	Solve for x: $2x - 1 = 2 - x$ (2 marks)	14	Calculate the Highest Common Factor (HCF) of 9, 12 and 15. (2 marks)	
			9, 12 and 18. (2 marks)	
	•			
			*	
			* * *	
	*	-		
15	In a class of 40 pupils, the ratio of boys to	16	In a school of 1,200 pupils, 60% weigh 40kg or	
	girls is 2:3. Find the;		more. How many pupils weigh less than 40kg?	
	(a). number of girls in the class. (1 mark)		(2 marks)	
	•			
	(b). number of boys in the class. (1 mark)	e e		ri _s
	(D). Huntiber of Doys III life Class. (I mark)	e "		
			3	-
				8

	17	(a). Six books cost 2,400Frw altogether. How many similar books can be bought with 5,000Frw? (1.5 marks)	18	A pupil scored 28 marks out of 40. Express the pupil's marks as a percentage. (2 marks)
		(b). How much money will remain? (0.5 mark)		
	19	A water tank contains 6,000 litres of water. If a	20	(3 4) 4
	19	tap is opened and releases water at 20 litres per minute, how long will it take be tank to become completely empty? (2 man)	20	Simplify completely: $\left(\frac{3}{5} \div \frac{4}{5}\right) \times \frac{4}{9}$ (2 marks)
			. 8	
		· ·		
	21	Evaluate: $\frac{4mp + 3n}{n}$ when $m = 3$, $n = 6$ and $p = 2$ (2 marks)	22	Set A = {all prime numbers between 0 and 14} and Set B = {all odd numbers between 0 and 14}. (a). List the elements of A∩B (1 mark)
				(b). Represent the information in a Venn
				diagram showing elements in each set. (1 mark)
	23	(a). Measure the acute angle below and write its size. (1 mark)	24	Find the percentage profit on a bicycle bought at 55,000Frw and sold at 66,000Frw. (2 marks)
		- 1		
`				4
		(b). Using a pair of compasses and ruler, bisect the acute angle above. (1 mark)		

	-			
2	5	The total surface area of a sphere is	26	In the triangle ABC, \overline{AD} is perpendicular to \overline{BC} ,
		5,544cm ² . Find its volume. (2 marks)		$\overline{AB} = \overline{AC}$ and angle ABC = 45°.
				(a). Find the size of angle CAD. (2 marks)
H.		* * *	a .	
		, 4		
		55.7		R C
		*,		
				(L) TYP-1 is Grand and a single to the triangle
				(b). What is the name given to the triangle ABC? (1 mark)
				The contract of the contract o
l				
2	27	Arrange the following fractions in ascending	28	A rectangular flower garden is represented by
		order:		a scale drawing below with a scale 1cm
		$0.42, \frac{11}{25}, \frac{12}{30}, 0.41$ (3 marks)		representing 10m.
	I			
				5cm
1				Calculate:
			1	(a). the actual length of the garden. (1 mark)
				(b) the netual width of the gordon (1 may)
		ه وه في التي التي التي التي التي التي التي الت		(b). the actual width of the garden. (1 mark)
				(c). the surface area of the garden. (1 mark)
	1	કુલું છે. તેનું કેલ્લો કોર્યો કોર્યો કે જે કોર્યુલ કેલ્લો		
			100	
-	29	An interest of 20,000Frw was made after 2	30	The figure below is a trapezium. Find its area.
		years at a simple interest rate of 10% per		(3 marks) 14cm
		year. Find the amount of money invested.		F
		(3 marks)		4cm
		, *. • •		
				6cm
		•		
		1		
		·	1	
		, a		
			1	
	31	(a). If $a = 1$, $b = 2$ and $c = 3$, find the value of	2a ² k) - aC. (2 marks)
				,
		-		
1		*		-



5cm

- (a). Calculate the volume of the prism. (2 marks)
- (b). calculate the total surface area of the prism. (5 marks)

Below are marks scored by 20 pupils in a Mathematics test marked out of 20 marks.

10	11	12	15	8
11	16	10	12	10
11	12	8	10	16
10	8	10	8	12

(a). Complete the frequency table below. (4 marks)

25cm

12cm

Marks (x)	Frequency (f)	fx
`	• 1,	
0.		
		\
i e	*	
	Total f = ;	Total fx =

- (b). Find the mode mark. (1 mark)
- (c). Calculate the mean mark. (2 marks)