PUPIL'S COMPLI	ETE INDEX NUMBER tor School Pupil						
PUPIL'S FULL NAME SUR NAME: OTHER NAMES:							
							REVISION OF EXTRACTED QUESTIONS FROM
PRIMARY LEAVING	EXAMINATION 2007						
*	MATICS						
Duratio	n: 2 hours						
<u>SECTION A</u>	(65 MARKS)						
Simplify completely $\left(\frac{-x}{6} \times 2\right) \div \frac{-}{9}$ (2 marks)	2 Calculate <sup>2</sup> / <sub>3</sub> of 900g and give your answer in kg (2 marks)						
Express 858 as a product of it's prime factors. (2 marks)	4 Solve: $3m + 4 = 5m - 2$ (2 marks)						
Write 1960 in Roman numerals (2 marks)	6 Find the Lowest Common Multiple of 21, 45 and 50. (2 marks)						
	PUPIL'S         SUR NAME:         OTHER NAMES:         MATHE         Duratio         SECTION P         I Simplify completely ( $\frac{5}{6} x 2$ ) $\div \frac{1}{9}$ (2 marks)         Express 858 as a product of it's prime factors.         (2 marks)						

	Coloulofo the million	1		n <sup>1</sup>
	Calculate the volume of a cube whose total surface area is 150cm <sup>2</sup> . (2 marks)	8	Remove the brackets and simplify (2 marks) 5(2y + x) + 2(x - 4y)	
	Salato al ou is robein . (E marks)		3(2y + x) + 2(x - 4y)	
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11		12	Simplify completely: $\frac{3.2 \times 2.8}{0.7 \times 8}$ (2 marks)	-1
	57. Find those three numbers (2 marks)		0.7 x 8 (2 marks)	
	2 S			
				-
13	What number when increased by 15%	14	Complete 1hour 3minutes 2seconds =	-
	becomes 3450? (2 marks)		seconds (2 marks)	
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15	A book costing 2400frw is sold at 2640frw.	16	Show that 70470 is exactly divisible by 9	
	Calculate it's percentage profit (2 marks)	8	without using long division. (2 marks)	
	, the second			
			3	
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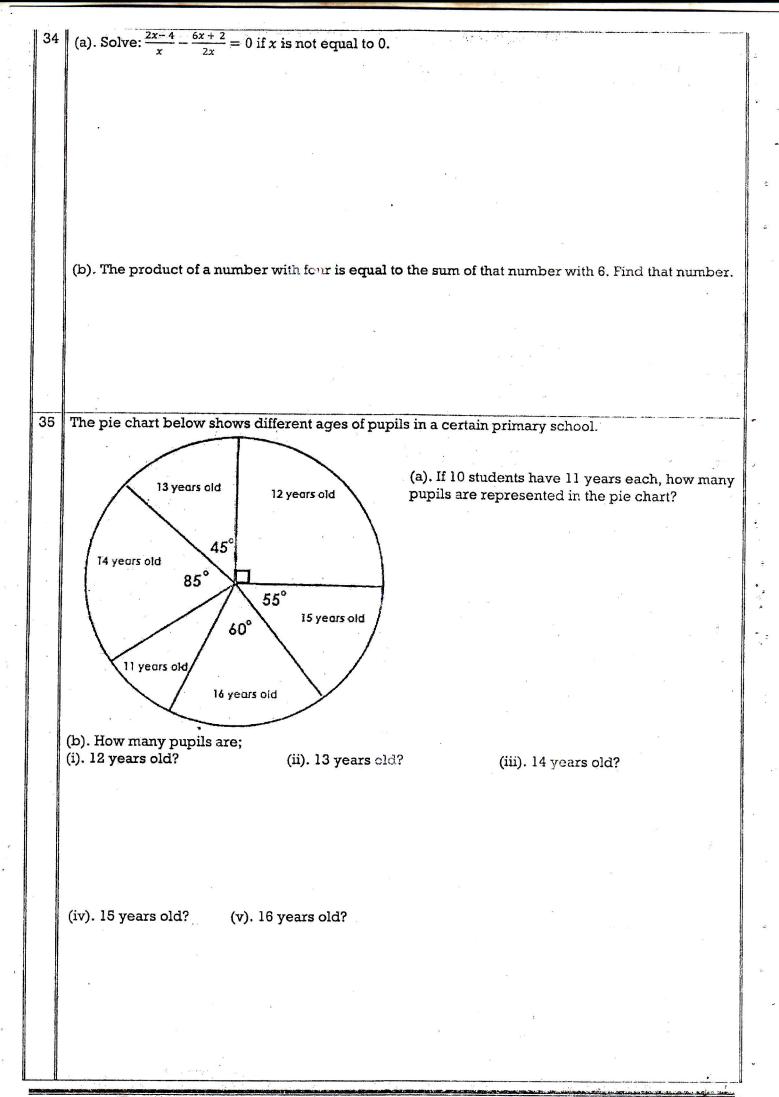
2.

Find the value of  $m^2 + 2ab - n$  if m=2, b=-1, 17 Share 28 000frw between John and Peter in the 18 a=3 and n=-4. (2 marks) ratio of 2:3 respectively. (2 marks) One interior angle of a regular polygon is 19 The volume of a substance is 60m<sup>3</sup> and it's 20 120°. How many sides does the pergon density is 1.26kg/m<sup>3</sup>. Find the mass of the have? (2 marks) substance (2 marks) The speed of a moving car is 60km/hr. The 21 22 A chapter in a Mathematics text book is car maintains this speed for 1 hour 20 printed from page 141 to 212. How many minutes. What is the distance travelled by the pages is this chapter printed on? (2 marks) car? (2 marks) 23 Calculate the area of a triangle whose base is 5 men take 4 days to paint a house. How many 24 7cm and height is 16cm. (2 marks) days will 8 men take to paint the same house? (Assuming all men work at the same rate) (2 marks)

25	Write the next two numbers in the sequence below: (2 marks)	26	A car travels 35km on 2.5 litres of petrol. How much does it cost to travel 280km if the cost of 1 litre of petrol is 600frw? (3 marks)
	2, 4, 12, 48,,		
	· · ·		
27	How many revolutions does a bicycle wheel of 70cm diameter make to cover a distance of 8.8km? $(\pi = \frac{22}{7})(3 \text{ marks})$	28	Calculate the area of the figure below (3 marks)
	in and the second se		
	· · ·		5m 6m 1m
			5m 3m
	• •		
29	The cost of 3kg of potatoes and 4kg of beans is 840frw. The cost of 1kg of beans is 70frw more than the cost of 1kg of potatoes. Find the cost of 1kg of beans. (3 marks)	30	The simple interest on a capital of 800 000frw after 3 months is 12 000frw. Find the interest rate per year. (3 marks)
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SECTION B (Choose any 5 questions-35 marks) The diagonals of a rhombus are 10cm and 24cm. 31 (a). Calculate the area of the rhombus. (3 marks) (b). Calculate the perimeter of the rhombus. (4 marks) Simplify completely:  $\frac{\frac{1}{5} \times \left(6\frac{3}{4} - 4.75\right) \times \left(3.875 - 2\frac{3}{8}\right)}{(1.5 \times 1.5) \div 2\frac{1}{2}}$  (7 marks) 32 David sold cars with a total value of 90 000 000 free for the importer. He received a 10% commission 33 on the first 50 000 000frw and 3% on the rest. How much money does the importer receive if he pays a tax of 5%? Page 55 of 138

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