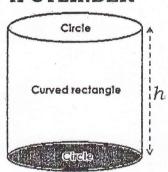
AND ANSWERS Working

A CYLINDER



Volume = Base area x height = (Area of circle) x height $\Pi r^2 \times h$ $= \mathbf{T} r^2 h$

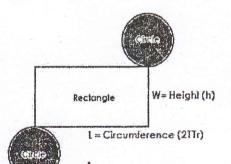
Curved Area = Area of a rectangle = $L \times W$



= L (circumference) \times W (height)

 $=2\pi r \times h$

 $=2\pi rh$



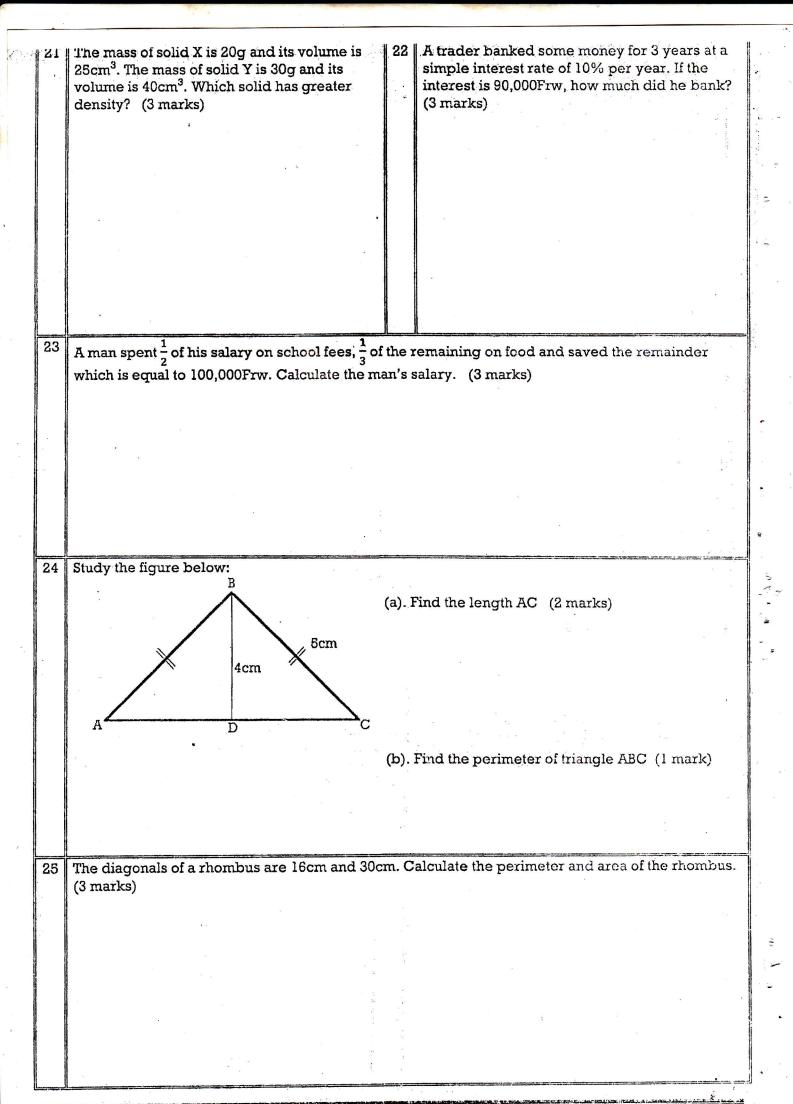
 $TSA = Area \ of 2 \ circles + curved \ area = 2\pi r^2 + 2\pi rh$

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INDEX NUMBER	PROVINCE	DISTRICT	SECTOR	SCHOOL	PUPIL
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	PUPIL'S COMPLETE INDEX NUMBER Province/City District Sector School Pupil PUPIL'S FULL NAME SUR NAME: OTHER NAMES:							
	REVISION OF EXTRACTED QUESTIONS FROM PRIMARY LEAVING EXAMINATION 2015 MATHEMATICS Duration: 2 hours							
	Write the following number in figures: Seven hundred and seventy million, eight hundred and eighteen thousand, five hundred and fifty five. (1 mark)	2	Evaluate: 9 ³ + 4 ⁵ (1 mark)					
3	Find the value of: $a^3 + 3b^2$ when $a = 2$ and $b = 2$. (2 marks)	4	Workout: 16 h 15 sec - 8 h 25min 55 sec (2 marks)					
5	What are the place values of 3 and 6 in the number 235.6? (2 marks)	6	Find the next two numbers in this progression: 1, 6, 36,, (2 marks)					

	The difference between two numbers is 6 and their sum is 20. Find the two numbers. (2 marks)	8	Find the value of k in degrees in the figure below. (2 marks) 4k° 4k°
	How many decasteres of wood can be obtained in a stack of firewood measuring 10m by 4m by 2m? (2 marks)	10	Alice will be 17 years in 4 years. (a). How old was she 3 years ago? (2 marks)
			(b). How old will she be 6 years from now? (1 mark)
11	100 pupils have enough food for 36 days. How long would this food last if the number of pupils was 80? (3 marks)	12	(a). Calculate 60% of 200. (1 mark) (b). Write 0.36 as a fraction. Give your answer in the lowest terms. (2 marks)
	•		
13	A circle has a diameter of 100cm. (a). Calculate the area of the circle in cm ² . (use π = 3.14) (2 marks) (b). Write your answer in part (a) above in m ² (1 mark)	14	Simplify: $\frac{4}{6} \times \left(\frac{6}{8} \div \frac{2}{6}\right)$ (3 marks)

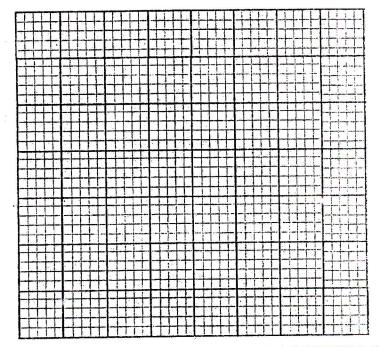
	15	The distance between two towns is 8km. A map on which these towns are shown has a scale of 1:50 000. Calculate the distance between the two towns on the map. Give your answer in centimetres (cm). (3 marks)	16	The ratio of boys to girls in a school is 2:7. If the total number of pupils in this school is 720. How many boys and girls are there? (3 marks)
1	17	(a). Change 8 _{ten} to base five. (2 marks)	18	A car covered a journey from town A to town B at a speed of 30km/hr in 6 hours and it took 4 hours to return through the same distance. (a). Calculate the distance from town A to town B. (1 mark)
	2			
7 25.		(b). Add: 110 _{two} + 11 _{two} =two (2 marks)		(b). Calculate the average speed of the whole journey. (2 marks)
:18	•			
	19	The sum of two numbers is 18 and their quotient is 2. Find the two numbers.(3 marks)	20	Mucuruzi mixed 40kg of beans which cost 300Frw per kg with 60kg of beans of a different type. Find the unit price of the second type if the mixture costs 180 Frw per kg. (2 marks)
			N.	
o () 62 "	8			



26 A wall separating two houses paint is applied at a rate of 0. Find the cost of the paint nee	095 litres per sq	uare metre. The	e cost of one lit	re of paint is 3,000Frw.
	,		W. W.	

- Given the following coordinates: (1, 0), (2, 1), (3, 2), (4, 3)

 (a). Form an equation of the line passing through the points. (2 marks)
 - (b). Indicate the points and sketch the line passing through the points. (5 marks)



A woman invests 2,000,000Frw for 3 years at a compound interest rate of 4% per year.

(a). Calculate the interest earned after 3 years. (5 marks)

(b). Find the total amount of money after 3 years. (2 marks)

