සියල	සියලු ම හිමිකම් ඇවිරිණි /All Rights Reserved					
- iN	විශාබා විදාහාලය කොළඹ - 5, විශා Visakha Vidyalaya Colombo විද	බා විදාහලය කොළඹ - 5, විශාබා විද දාබ<u>ාඩිඋපාල</u>ය /ැ ලකාළඔ	දාහලය කොළඹ - 5, විශාබා විදාහලය කොළඹ 9∰isakha Vidyalaya Colombo – 5, Visak			
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	Mathematics	Grade 9	Two hours 30 minitues			
Name/Index no. :						
		Part I				
*	Answer all questions on this pape	r itself.				
1.	Write next 2 terms of the given	progression.				
	2 6 0 12					
	$-3, -0, -9, -12, \dots, \dots$					
2.	Write $\frac{3}{4}$ as a percentage.					
	T					
2	Expand $A(u + v - 2)$					
э.	Expand. $-4(x+y-2)$					
4.	Simplify. $\frac{3}{5} \times \frac{1}{2}$					
	5 3					
5.	If AB and CD are straight lines	s find the	1			
-	value of x.		mathematica.lk			
			A D			
			(520)			
			$C \xrightarrow{48^{\circ}} B$			

	-2-	
6.	Expand and simplify. (a+3)(a+2)	
7.	If $x = 5$ and $y = -3$ find the value of the expression $2x + 3y$.	
0		
ð.	Find the values of a and b.	
	a_{1}	
	mathematic	a.lł
9.	If rice of mass 0.4375 t is distributed among 35 people find the amount of rice received by a	
	person.	
10.	Find $\frac{3}{2}$ of Rs. 800.	
	5 5	
11.	Find the value of y .	
	12 cm	
	A mathematica	lk
12.	Solve. $3(x-5) - 1 = -4$	

-3-			
13.	30% of students in a school are boys. If there are 1400 girls in that school. Find the total number of students.		
14.	Arrange the given numbers in ascending order. $\frac{2}{3}, \frac{5}{2}, 2, -\frac{1}{2}, \frac{1}{2}$		
	5 2 2 2		
15.	A loss of Rs. 200 incurred when an electric iron sold at Rs. 2300. Find the percentage of loss.		
16.	Simplify. $(+5) - (-4) - (+9)$		
17.	Find the actual length represents by 4.5 cm in a scale drawing drawn to the scale 1 : 50 000 in kilometers		
	In knometers.		
18	Evaluate $\sqrt{7^2 \times 4^2 \times (-1)^2}$		
10.			
19.	Find the area of the square base of another cuboid which has		
	the same capacity as the cuboid given in the diagram. The height of the second cuboid is 5 cm		
	15 cm		
20.	Simplify and write the answer in the base of ten. $1101 + 1010$		
	1101_{two} · 1010_{two}		
	at at		

Part II

* Answer only five questions.

- 1. A trader bought a television for Rs. 55000 and sold it by keeping a profit of 35%. Also *(a)* he offered a discount of 8% during the festival season when selling any commodity of his shop.
 - (i) Find the marked price of the television.
 - (ii) Find the amount of money that the customer has to pay during festival season for this television.
 - (iii) Find the percentage of profit received by the trader.
 - A person pays a commission of 5% when selling a vehicle. If he pays Rs. y as the *(b)* commission. Write an algebraice expression for the,
 - selling price of the vehicle (i)
 - (ii) the amount of money remain with him after paying the commission, in terms of y.
- 2. There are 12 seats, 16 seats and 20 seats in first three rows of an auditorium. Also this *(a)* pattern has continued for 18 rows.
 - Write the general term of the above pattern in terms of *n*. (i)
 - (ii) How many seats are there in 8^{th} row.
 - (iii) In which row 64 seats are there ?
 - (iv) Find how many seats are three in $(n-1)^{\text{th}}$ row.
 - (b) Show that the general term of the given progression is 5(12 n)55, 50, 45, 40,

3. Factorize.

- (i) 4xy + 4by 4y*(a)*
 - (ii) $a^2 + 5a + 2a + 10$
 - (iii) ef e f + 1
 - (iv) $x^2 + 10x + 24$
 - (v) $64x^2v^2 25z^2$
- Find the value using the knowledge of factors. *(b)* $85^2 - 15^2$
- (a) If $j = \frac{2}{5}$ and $k = -\frac{1}{3}$ find the value of the given expression. 4. 10i - 9k
 - (b) If a = -3 verify the given expression. $(a-2)(a+4) = a^2 + 2a - 8$

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කෙටි සටහන් |පසුගිය පුශ්න පතු |වැඩ පොත් සඟරා | O/L පුශ්න පතු | A/L පුශ්න පතු |අනුමාන පුශ්න පතු |අතිරේක කියවීම් පොත් | School Book ගුරු අතපොත්



පෙර පාසලේ සිට උසස් පෙළ දක්වා සියළුම පුශ්න පතු, කෙටි සටහන්, වැඩ පොත්, අතිරේක කියවීම් පොත්, සඟරා **සිංහල සහ ඉංගුසි වාධාණයන් ගෙදරටව ගෙන්වා ගැනීවට**

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