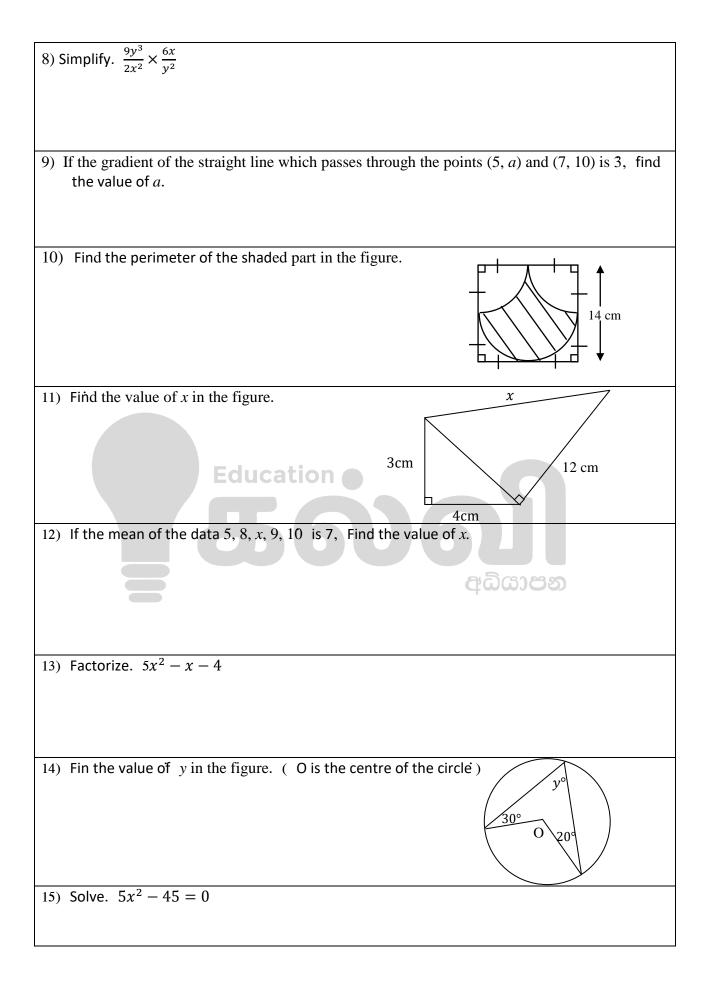


Provincial Department of Education Northern Province



Grade - 11	Maths	July 2022
	Part A	!
	Answer all questions on this question pap	
 If a vendor percentag 	earns a profit of Rs.1000 by selling a watch for Rs ?	5.6000. Calculate the profit
2) Solve. 44	$\frac{-3}{5} = 1$	
	estimated that 6 men will take 12 days to comple uired to complete the half of the above task for 4 u	-
	Education	S
4) Find the va	lue of <i>x</i> according to the information given in the 70°	figure. අධියාපන
5) Find the va	lue of $\log_x x^3$	
6) Find the le	ast common multiple of the following expressions $3x^2y$, $6xy$, $2y^3$	
	region that represents $Q \cup P'$ in the n diagram $Q \longrightarrow P$	E Contraction of the second se



16) First term and Seventh term of an arithmetic progression are 4 and 46 respectively. Find the common difference.			
17) A box contains identical balls. There are 4 white and 8 red balls. A ball is taken randomly			
from the bag. Find the probability of the ball being red.			
18) Find the value of y in the given figure?			
130			
120°			
19) If the total surface area of a cube is 2400 cm^2 , find the length of an edge?			
Education			
20) If $7.64 = 10^{0.8831}$, find the value of $\lg 0.764$?			
අධියාපන			
$(20 \times 3 = 60 \text{ M})$	arks)		
Part B Answer all questions on this question paper itself.			
01. $\frac{1}{4}$ of fuel in a filling station reserved for health officers and $\frac{1}{5}$ for educational officers.			
 ⁴ ⁵ i. What fraction of the total fuel in the filling station is reserved for health and edu 			
officers?	cationa		
officers:			
ii. If $\frac{2}{11}$ of the remaining amount of fuel, reserved for other essential needs. What			
fraction of the total fuel in the filling station is reserved for other essential needs?			

ii. Half of the remaining amount of fuel distributed to the public. If the amount of fuel distributed to the public was 4500*l*. What is the total amount of fuel in the filling station initially? iii. 6 days were taken to distribute the fuel as above. What is the total amount of fuel can be distributed in such 20 filling stations within 3 days? 2. ABCE is a trapezium shaped auditorium. CDE is a semi circular stage with diameter CE. 60m Education В i. Find the radius of the stage? 40m 42m ii. Find the length of arc CDE ? D iii. Find the area of auditorium with stage? iv. It is required to add a rectangular part with stage that is of area equal to the area of stage, with CE as a side, inside the auditorium. Draw a sketch of this rectangle with its measurements, in the above figure. $(2 \times 20 = 40 \text{ Marks})$