Covid – 19 – Weekly School

Grade 9 – 2nd Term

Subject - Mathematics

August 3rd Week

1) Find the general term of number pattern.

50, 46, 42, 38

Find the 10^{th} term for the number pattern.

- 2) Fill in the blank. 11011_{two} + []_{two} = 101101_{two}
- 3) Simplify $1\frac{1}{3} \frac{1}{2}$ of $\frac{3}{4} \div \frac{3}{2}$
- 4) The owner of the shop says that at 10% discount will be given for a pair of trousers with a sale price of Rs. 2000. How much should be paid for a pair of trousers?
- 5) Expand and simplify. (x + 1) (x 5)
- 6) Factories. x² 4x +3
- 7) Find the values of x, y and z.



- 8) Intended to make a cuboid shaped milk container to put 11 of milk. If the cross-sectional area of this container is 120cm². Find the height of this container.
- 9) Sama says her mother earns 200 riyals a week. Sama's aunt says that she also earns the same amount every month. If Sama knows that her aunt's monthly salary is Rs. 15000. What is the value of one riyal?
- 10) Show a diagram of how the value of 1500 of 12% is obtained from a scientific calculator.
- 11) Find the value of P in 15 P = 125 X 3 3
- 12) Simplify. (K²) ³ X 8k ⁻³
- 13) Express the number 456.83 in scientific notation.
- 14) Construct the triangle with AB = BC = CA = 8cm. using the pair of compasses and straight edge.
- 15) If x y = -7 and x + 2y = 23, find the values of x and y.
- 16) Find the values of x and y.



17) N = a b finds the value of N when a = 3 and b = 4.

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18) Fine the length of metal wire needed to make the frame shown in

the figure with diameter 14 cm.





20) y = x, y = x + 2, y + x = 2, 2y = x + 1

Using these graphs fill in the blanks in the table given below.

Equation	Gradient	Intercept
	$\frac{1}{2}$	
Y = x + 2		
		2
		0

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