પુ·ના International School
Shree Swaminarayan Gurukul, Zundal

Student Name					
Date	18/07/2020	Grade	VIII -	Roll no-	
Subject	MATHS	Marks	25	Teacher's Sign	

PERIODIC ASSESSMENT – I [2020-21]

GENERAL INSTRUCTION

1. All the Questions are Compulsory Questions.
2. All the Parts of Questions must be attempted at one Place

Choose the correct option: **[1 X 6 = 6]**

1. Which of the rational number do not have a multiplicative inverse:

(a) 2/3 (b) 0 (c) 3/5 (d) none

2. The multiplicative identity for rational number is

(a) 1 (b) 0 (c) -1 (d) none

3. In a linear equation, the highest power of a variable is

(a) 1 (b) 0 (c) 2 (d) 3

4. The value of x: $3x = 2x + 18$

(a) 1 (b) 0 (c) 18 (d) 18/5

5. A polygon in which measure of each angle is less then 180^0, is called a _____ polygon

(a) concave (b) convex (c) pentagon (d) none

6. If a pair of opposite sides of a quadrilateral are equal and parallel, then it is a

(a) parallelogram (b) kite (c) trapezium (d) none

Fill in the blank **[1 X 4 = 4]**

7. zero has _____ reciprocal.

8. The additive inverse of -5/9 is _____

9. A closed curve which does not cross itself, is called a _____

10. _____ is a quadrilateral with one pair of parallel sides.

11. State whether the following statements are True or False: [1 X 3 = 3]

(i) A polygon having 10 sides is known as nonagon.

(ii) A linear equation in one variable has two solutions.

(iii) Integers cannot be represented on the number line.

Solve: (Any four) **[2 X 4 = 8]**

12. Represent 7/4 on the number line.

13. Verify that – (-x) = x for x = $\frac{-11}{15}$

14. If you subtract $\frac{1}{2}$ from a number and multiply the result by $\frac{1}{2}$, you get $\frac{1}{8}$, what is the number?

15. Solve for t: 5t – 3 = 3t – 5

16. Solve for x: $\frac{8x-3}{3x} = 2$

17.The measures of two adjacent angles of a parallelogram are in the ratio 3:2. Find the measure of each of the angles of the parallelogram.

Solve (Any one) **[1 X 4 - 4]**

18. Sum of two numbers is 95. If one exceeds the other by 15, find the numbers.

OR

The ages of Hari and Harry are in the ratio 5:7. Four years from now the ratio of their ages will be 3:4. Find their present ages.

19. State the name of a regular polygon of with

(i) 3 sides (ii) 4 sides (iii) 6 sides