



**Examination P A 1 2021 – 22**

<b>Student Name</b>		<b>Grade</b> 8 <sup>th</sup>	
<b>Date</b>		<b>Subject</b>	<b>MATHEMATICS</b>
	<b>Time</b>	<b>Total Marks</b>	<b>25</b>

**General Instructions**

- The paper is divided into two sections
- All questions are compulsory.

**PART: A**

**MULTIPLE CHOICE QUESTIONS**

[ 1 X 5 = 5]

1. A polygon with minimum number of sides is

- (a) Pentagon                      (b) Square                      (c) triangle                      (d) angle

2. Polygons that have no portions of their diagonals in their exteriors are called

- (a) Squares                      (b) triangles                      (c) convex                      (d) concave

3. Solve for p:  $17 + 6p = 9$  is

- (a)  $4/3$                       (b)  $-4/3$                       (c)  $3/4$                       (d)  $-3/4$

4. Solve for x:  $3x = 2x + 18$  is

- (a)  $18/5$                       (b)  $-18$                       (c)  $18$                       (d) None

5. The multiplicative inverse of the Rational number  $\frac{a}{b}$  is  $\frac{c}{d}$  than  $\frac{a}{b} \times \frac{c}{d}$  is?

- (a) 1                      (b)  $-1$                       (c) 0                      (d) None

**FILL IN THE BLANK**

[ 1 X 3 = 3]

6. The diagonals of a rhombus bisect each other at \_\_\_\_\_ angle.

7. The numbers \_\_\_\_\_ and \_\_\_\_\_ are their own reciprocals.

8. If  $x + 3 = 10$  than  $x =$  \_\_\_\_\_

**STATE WHETHER THE FOLLOWING STATEMENTS ARE TRUE OR FALSE**

[  $\frac{1}{2}$  X 4 = 2]

9. In square diagonals are equal.

10. Kite is a parallelogram in which each pair of opposite sides is parallel.

11. Reciprocal of  $1/x$ , where  $x \neq 0$  is  $x$

12. The product of two rational number is always a rational number.

**WRITE ANSWER IN ONE WORD**

**[1 X 3 = 3]**

13. Solve for  $x$ :  $x - 2 = 7$  is

14. The solution of the equation  $ax + b = 0$  is

15. The shifting of a number from one side of an equation to other is called?

**PART – B**

**SOLVE: EACH CARRY TWO MARKS (Any Three)**

**[ 2 X 3 = 6]**

1. Represent  $7/4$  on the number line

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

3. 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.

4. Represent  $7/8$  on the number line.

5. 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?

**SOLVE: EACH CARRY THREE MARKS (Any Two)**

**[ 3 X 2 = 6]**

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

2. 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.

3. The angle measurements of a quadrilateral are 35 degree, 49degree, 67 degree .Than find measure of fourth angle.

**BEST OF LUCK**