# ARMY PUBLIC SCHOOL - BHUJ

**WORKSHEET -1 (2020-21)**

SUB: MATHEMATICS

Class : 8 M. M. : 40

chap:. 1, 2, 3

I. Write very short Answers: (1 Mark)

(i) The rational no. ____ has no reciprocal.

(ii) Write additive inverse of $7/19$ & $-21/112$

(iii) Represent $-7/3$ on a number line.

(iv) Solve: $2x - 3 = 7$

(v) Solve: $8 - 3x = -10$

(vi) In ||gm ABCD, $\angle A = 124^\circ$ Then find $\angle B$.

(vii) The digonals of rhombus bisect each other at ____.

(viii) Write is the sum of all ext. angles of a Polygon?

II Write short answers: (2 Marks)

(i) Represent $-3/8$ & $5/8$ on a numberline.

(ii) Find any '3' nos. between $3/7$ and $2/3$.

(iii) The sum of Three consecutive nos. is 57. find the nos.

(iv) Solve: $\frac{x-3}{x+1} = \frac{1}{2}$

(v) In ||gm, Two adjacent angles in ratio 4:5, find all angles

(vi) Find the measures of an int. angles of a regular Polygon having 15 sides.

III Write long Answers: (4 Marks)

(i) Two opp. angles of a ||gm are $(5x - 8)^\circ$ and $(2x + 82)^\circ$ Find all the angles of ||gm.

(ii) Solve: $5x + 7/2 = 3/2\, x - 14$

(iii) After 18 yrs, I shall be 3 times as old as I was 4 yrs ago. Find my Present age.

(iv) Solve: $2(3x - 1) + 7/2 = 5x - 2(2x - 7)$

(v) The Product of '2' rational nos. is $\left(\frac{-28}{81}\right)$. If one of them is $-\frac{2}{3}$. Find the other.