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THE INDIAN HEIGHTS SCHOOL

CLASS –VII

SUBJECT- Mathematics **WORKSHEET- Rational Numbers**

NAME- **DATE- 11.9.13**

Q1Write a rational number for each of the following

(a)Numerator is a negative integer and denominator is a positive integer_____
(b) Numerator is a positive integer and denominator is a negative integer_____
(c) Numerator and denominator both are positive integers_____
(d)) Numerator and denominator both are negative integers_____.

Q2 Fill in the boxes

(a) $\frac{5}{4} = \frac{\square}{16} = \frac{25}{\square} = \frac{-15}{\square}$

(b) $\frac{-3}{7} = \frac{\square}{14} = \frac{9}{\square} = \frac{-6}{\square}$

Q3 Which of these are negative rational numbers

(a)$\frac{-2}{5}$ (b) $\frac{5}{7}$ (c) $\frac{3}{-5}$ (d)0 (e) $\frac{6}{11}$ (f) $\frac{-2}{-9}$

Q4 Find the standard form using the H.C.F method

(a) $\frac{-18}{45}$=_____

(b) $\frac{-12}{18}$ =_____

(c) $\frac{36}{-24}$ =_____

(d)$\frac{-3}{-15}$ =_____

Q5 (a) Six whole numbers between 3 and 10 are_____
(b) Five integers between -3 and 3 are _____
(c)Between two successive integers the number of integers is_____
(d)The number of integers between two integers are _____(finite/infinite)
(e)There are _____(limited/unlimited) number of rational numbers between two rational numbers.
(f)The additive inverse of $\frac{-2}{5}$ is _____
(g)Reciprocal of$\frac{-6}{11}$ is_____

Q6 Find the value of

(a)$\frac{7}{9} - \frac{2}{5}$ = _____

(b)$2\frac{1}{5} - \frac{(-1)}{3}$ = _____

(c)$\frac{2}{3} \div \frac{8}{-7}$ = _____

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