



FLORENCE INTERNATIONAL SCHOOL
CLASS- IX
WORKSHEET NO: 3
MATHS (TOPIC: Number System)

NAME:

DATE: 01/04/2020

CONCEPT :

Natural Number – Counting numbers are known as natural numbers.

1, 2, 3,4,5,6.....

Whole Numbers- Counting numbers including zero is called whole numbers.

0,1,2,3,4,5,6.....

Integer- All the positive and negative integer are known as integer.

.....-7,-6,-5,-4,-3,-2,-1,0,1,2,3,4,5.....

Rational Number- A number which can be represented in the form of $\frac{p}{q}$, where $q \neq 0$ and p, q are

integers ,is called rational number. $\frac{1}{2}, \frac{2}{1}, \frac{5}{4}, \frac{3}{8}, \frac{17}{14}$

Irrational Numbers- Any number which cannot be represent in the form of $\frac{p}{q}$, where $q \neq 0$ and p, q are integers ,is called irrational numbers. $\sqrt{2}, \sqrt{3}, \sqrt{5}$.

Real Numbers- Combination of all the rational and irrational numbers are called real numbers.

EXERCISE

Q1. Find out rational number, irrational number in the given numbers-

- | | | | | |
|---------------------|---------------------|---------------------|---------------------|--------------------|
| (a) $\frac{112}{2}$ | (b) 12 | (c) $\sqrt{25}$ | (d) $\frac{1}{200}$ | (e) 1 |
| (f) $\frac{19}{19}$ | (g) $\sqrt{17}$ | (h) $\frac{23}{12}$ | (i) $\frac{90}{30}$ | (j) $\frac{32}{4}$ |
| (k) $\frac{17}{2}$ | (l) $\frac{13}{25}$ | (m) $\frac{10}{2}$ | (n) $\frac{71}{23}$ | (o) 1.12 |

Q2. Which of the following statements are true and which are false?

- (i) Every whole number is a rational number.
- (ii) Every integer is a rational number.
- (iii) $\frac{-12}{7}$ lies to the right of 0 on the number line.
- (iv) 0 is a whole number but it is not a rational number.
- (v) Two rational numbers can be added in any order.