

NUMBER SYSTEM

NAME :--

CLASS :--

1. State whether the following statements are true or false.

- (i) Every natural number is a whole number.
- (ii) Every integer is a whole number.
- (iii) Every rational number is a whole number.
- (iv) Every irrational number is a real number.
- (v) Every point on the number line is of the form \sqrt{m} , where m is a natural number.
- (vi) Every real number is an irrational number.

2. Classify the following numbers as rational or irrational:

- (i) $\sqrt{23}$
- (ii) $\sqrt{225}$
- (iii) 0.3796
- (iv) 7.478478
- (v) 1.101001000100001...

3. Can we write 0 in the form of p/q ? write Y/N in the box

WRITE THE CORRECT OPTION IN THE GIVEN BOX..

4. The three rational numbers between 3 and 4 are:

- a. $5/2, 6/2, 7/2$ b. $13/4, 14/4, 15/4$ c. $12/7, 13/7, 14/7$ d. $11/4, 12/4, 13/4$

5. In between any two numbers, there are:

a. Only one rational number b. Two rational numbers c. Infinite rational numbers d. No rational number

6. The product of a rational and an irrational numbers is:

- a) Always an integer b) Always a rational number c) Always an irrational number
d) Sometimes rational and sometimes irrational

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