

## Number System Multiple Choice Questions

**1.) Can we write 0 in the form of  $p/q$ ?**

- a. Yes
- b. No
- c. Cannot be explained
- d. None of the above

**2.) 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.  $11/4$ ,  $12/4$ ,  $13/4$

**3.) In between any two numbers, there are:**

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

**4.) Every rational number is:**

- a. Whole number
- b. Natural number
- c. Integer
- d. Real number

5.)  $\sqrt{9}$  is \_\_\_\_\_ number.

- a. A rational
- b. An irrational
- c. Neither rational nor irrational
- d. None of the above

6.) Which of the following is an irrational number?

- a.  $\sqrt{16}$
- b.  $\sqrt{(12/3)}$
- c.  $\sqrt{12}$
- d.  $\sqrt{100}$

7.)  $3\sqrt{6} + 4\sqrt{6}$  is equal to:

- a.  $6\sqrt{6}$
- b.  $7\sqrt{6}$
- c.  $4\sqrt{12}$
- d.  $7\sqrt{12}$

8.)  $\sqrt{6} \times \sqrt{27}$  is equal to:

- a.  $9\sqrt{2}$
- b.  $3\sqrt{3}$
- c.  $2\sqrt{2}$
- d.  $9\sqrt{3}$

**9.) Which of the following is equal to  $x^3$ ?**

a.  $x^6 - x^3$

b.  $x^6 \cdot x^3$

c.  $x^6/x^3$

d.  $(x^6)^3$

**10.) Which of the following is an irrational number?**

a.  $\sqrt{23}$

b.  $\sqrt{225}$

c. 0.3796

d. 7.478478