

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