

Class 9 Maths Chapter 1 Number System MCQs - Practice Questions

1. The product of any two irrational numbers is

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

2. The irrational number that lies between 5 and 6 is

- (a) $(1/2)(5+6)$
- (b) $\sqrt{5+6}$
- (c) $\sqrt{5 \times 6}$
- (d) None of these

3. π is a/an

- (a) Integer
- (b) Whole Number
- (c) Rational Number
- (d) Irrational Number

4. $1/(\sqrt{9}-\sqrt{8})$ is equal to

- (a) $(1/2)(3-2\sqrt{2})$
- (b) $3-2\sqrt{2}$
- (c) $3+2\sqrt{2}$
- (d) $1/(3+2\sqrt{2})$

5. Which of the following number is an irrational number?

- (a) $\sqrt{8}$
- (b) $\sqrt{49}$
- (c) $\sqrt{24}/\sqrt{6}$
- (d) $\sqrt{1250}/\sqrt{8}$

6. Every point on the number line represents

- (a) Unique real number
- (b) Natural Number
- (c) Rational Number
- (d) Irrational Number

7. The decimal representation of an irrational number is

- (a) Always terminating
- (b) Either terminating or repeating
- (c) Either terminating or non-repeating
- (d) Neither terminating nor repeating

8. The decimal expansion of $\sqrt{3}$ is

- (a) Finite decimal
- (b) 1.73
- (c) Non terminating and recurring
- (d) Non terminating and non-recurring

9. The rational number $2/4$ is equivalent to

- (a) $3/12$
- (b) $8/16$
- (c) $21/16$
- (d) $4/19$

10. Find out the rational number.

- (a) 2.4
- (b) $\sqrt{2}$
- (c) $\sqrt{5}$
- (d) π

***** ANSWER KEY *****

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|---------|---------|---------|---------|----------|
| 1 - (d) | 2 - (c) | 3 - (d) | 4 - (c) | 5 - (a) |
| 6 - (a) | 7 - (d) | 8 - (d) | 9 - (b) | 10 - (a) |