

TEST2 - 10TH CLASS MATHS - REAL NUMBERS

(Multiple Choice Questions)

Write the correct option in the given bracket

1. $\sqrt{2}/5$ is :

- a) a rational b) an irrational
- c) a and b d) imaginary

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2. The square root of 16 is:

- a) 2 b) 4 c) 8 d) 16

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3. Which of the following is a natural number?

- a) -2 b) 0 c) 1/2 d) 3

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4. The decimal expansion of a rational number:

- a) can be both terminating and non-terminating repeating.
- b) can be either terminating or non-terminating repeating.
- c) can only be terminating.
- d) can only be non-terminating repeating.

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5. Product of prime numbers always

- a) Even b) odd c) Composite d) Prime

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6. Which of the following is a rational number?

- a) $\sqrt{3}$ b) $\sqrt{25}$ c) $\sqrt{7}$ d) $\sqrt{11}$

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7. Which rational is multiplicative inverse to itself

- a) 1 b) 12 c) 010 d) 5

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8. The decimal representation of an irrational number:

- a) Terminates b) Repeats
- c) Is a perfect square d) Neither terminates nor repeats

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9. The sum of a rational number and its additive inverse is always:

- a) 1 b) 0 c) infinity d) undefined

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10. The number 0.125 can also be written as:

- a) $1/2$ b) $1/4$ c) $1/8$ d) $1/10$

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