

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date:

Name:

ID No.....

Rapid Fire Quiz

State whether the following statements are true or false by tick (✓) marking in the box:

- | | True | False |
|---|--------------------------|--------------------------|
| 1. Every whole number is a natural number. | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Every rational number is an integer. | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Every integer is a rational number. | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Every natural number is a whole number. | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Every integer is a whole number. | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Every rational number is a whole number. | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. The sum or difference of a rational number and an irrational number is irrational. | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Rationalising factor of the denominator of $\frac{1}{3-\sqrt{8}}$ is $3+2\sqrt{2}$. | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. The decimal expansion of a rational number is non-terminating non-recurring. | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. 1 is the smallest prime number. | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. The decimal expansion of $\sqrt{7}$ is non-terminating non-recurring. | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. The decimal expansion of π is non-terminating non-repeating | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. $\frac{\sqrt{18}}{\sqrt{2}}$ is a rational number. | <input type="checkbox"/> | <input type="checkbox"/> |
| 14. 2.0200200200002 is an irrational number | <input type="checkbox"/> | <input type="checkbox"/> |
| 15. Between two rational numbers there is exactly one rational number. | <input type="checkbox"/> | <input type="checkbox"/> |
| 16. The product of any two irrational numbers is always an irrational number. | <input type="checkbox"/> | <input type="checkbox"/> |
| 17. 2 is a prime number. | <input type="checkbox"/> | <input type="checkbox"/> |
| 18. Pythagoreans were the first to discover irrational numbers. | <input type="checkbox"/> | <input type="checkbox"/> |
| 19. There are infinitely many integers between any two integers. | <input type="checkbox"/> | <input type="checkbox"/> |
| 20. Corresponding to each real number, there is a unique point on the number line. | <input type="checkbox"/> | <input type="checkbox"/> |