# Rational Number Worksheet - 2

1. $\frac{7}{6}$ lies in between $\frac{1}{3}$ and $\frac{3}{2}$. Mark True / False.

a) True b) False

2. The multiplicative inverse of $\frac{-2}{3}$ is $\frac{3}{2}$. Mark True / False.

a) True b) False

3. If $\frac{a}{b}$ is the additive inverse of $\frac{x}{y}$, then $\frac{a}{b} + \frac{x}{y} = 0$. Mark True / False.

a) True b) False

4. For every rational number n, n + 1 = n. Mark True / False.

a) True b) False

5. If A+ B = 0, then –B is known as the negative of A, where a and B are rational numbers. Mark True/False.

a) True b) False

6. For all rational numbers m and n, m – n = n – m. Mark True / False.

a) True b) False

7. For every rational numbers A, B and C, A + (B x C) = (A + B) x (A + C). Mark True / False.

a) True b) False

8. 1 is the only number which is its own reciprocal. Mark True / False.

a) True b) False

9. For rational numbers p and q, if p < y, then p - y is a positive rational number. Mark True / False.

a) True b) False

10. –1 is not the reciprocal of rational number. Mark True / False.

a) True b) False

11. $3\frac{3}{5} + 2\frac{7}{4} =$ _____.

a) $5\frac{3}{9}$ b) $8\frac{3}{20}$

c) $\frac{21}{20}$ d) $7\frac{7}{20}$

12. Multiplicative inverse of $\frac{-21}{7}$.

a) $\frac{7}{21}$ b) $\frac{21}{7}$

c) $\frac{-7}{21}$ d) None of these

13. Calculate $\frac{-5}{9} \div 3\frac{1}{3}$.

a) $\frac{3}{6}$ b) $\frac{-1}{6}$

c) $\frac{-5}{27}$ d) $\frac{-5}{27}$

14. Find the additive inverse of $-11\frac{7}{5}$ is_____.

a) $11\frac{7}{5}$ b) $11\frac{5}{7}$

c) -11 $\frac{7}{5}$ d) None of these

15. Find $0 \div -7\frac{3}{8}$,we get _____.

a) $\frac{-60}{8}$ b) 0

c) $-7\frac{3}{8}$ d) Does not exist

16. Calculate product of rational number $\frac{-5}{13}$ and its additive inverse, we get ____.

a) $\frac{25}{169}$ b) 1

c) None of these d) $\frac{-25}{169}$

17. Sum of two rational number is 0, if one of them is $-\frac{7}{6}$,then other is ____.

a) $\frac{7}{6}$ b) $\frac{-6}{7}$

c) $\frac{-7}{6}$ d) None of these

18. Reciprocal of a negative number is _____.

a) Negative b) Positive

c) Does not exist d) None of these

19. Product of two rational number is 1, if one number is $\frac{12}{5}$, then other is_____.

a) $\frac{5}{12}$ b) $\frac{-5}{12}$

c) $\frac{-12}{5}$ d) None of these

20. If 12 shirts of equal size can be made from 30m of cloth, how much cloth is needed for making one shirt?

a) 2.5m b) 1.2m

c) 3m d) 4m