Rational Number Worksheet - 2

1. $\frac{-3}{8} \times 0 = $ _____ .

a) $10\frac{3}{5}$

b) $12\frac{3}{5}$

c) $11\frac{3}{5}$

d) 0

2. $\frac{2}{3} \times \frac{5}{7} = $ _____ .

a) $\frac{3}{5}$

b) $\frac{8}{5}$

c) $\frac{10}{21}$

d) None of these

3. Find the additive inverse of -9?

a) $10\frac{3}{5}$

b) 12

c) 9

d) None of these

4. The sum of two rational number is $\frac{-3}{8}$. If one number is $\frac{3}{16}$, then find the other one.

a) $10\frac{3}{5}$

b) $\frac{-3}{16}$

c) $11\frac{3}{5}$

d) None of these

5. What should be added to $\frac{-5}{7}$ to get $\frac{2}{3}$?

a) $\frac{-19}{21}$

b) $\frac{3}{5}$

c) $\frac{6}{85}$

d) None of these

6. The product of two rational number is 10. If one of the numbers is -8, then find the other.

a) $\frac{-5}{4}$

b) $\frac{13}{10}$

c) $\frac{7}{100}$

d) $\frac{5}{9}$

7. By what number should $\frac{-44}{9}$ be divided to get $\frac{-11}{3}$?

a) $\dfrac{29}{20}$ b) $\dfrac{3}{4}$

c) $\dfrac{33}{44}$ d) $\dfrac{59}{89}$

8. Find the multiplicative inverse of $\dfrac{13}{25}$?

a) $\dfrac{25}{13}$ b) $\dfrac{13}{23}$

c) $\dfrac{68}{125}$ d) $\dfrac{45}{9}$

9. What is the reciprocal of 1?

a)   1   b)   -1

c)   0   d)   11

10. What is the reciprocal of -1 ?

a)   1   b)   -1

c)   0   d)   11

11. Simplify _____ $\div \dfrac{2}{3} = \dfrac{7}{10}$

a) $\dfrac{21}{20}$ b) $\dfrac{3}{20}$

c) $\dfrac{8}{15}$ d) $\dfrac{40}{9}$

12. $-2\dfrac{1}{9} - 6 =$ _____.

a) $\dfrac{-73}{9}$ b) $\dfrac{-3}{43}$

c) $\dfrac{8}{17}$ d) $\dfrac{5}{8}$

13. Find the cost of 3metres of cloth at rupees $40\dfrac{1}{2}$ per meter?

a)   10   b)   121.5

c)   40   d)   5

14. A bike is moving at an average speed of $\dfrac{6}{5}$ km/h. How much distance it will cover in $\dfrac{5}{2}$ hour?

a)   3   b)   0

c)   12

d)   1

15. Simplify $\left(\dfrac{-1}{7} \times \dfrac{-14}{27}\right) - \left(-\dfrac{8}{45} \times \dfrac{9}{16}\right).$

a) $\dfrac{47}{270}$

b) $\dfrac{55}{450}$

c) $\dfrac{6}{15}$

d) $\dfrac{79}{478}$

16. $\dfrac{5}{9}$ ____ $\dfrac{-3}{-8}$.

a)   >

b)   =

c)   <

d)   None of these

17. Find the sum $\dfrac{-5}{9} + \dfrac{-4}{5}$.

a) $\dfrac{-17}{25}$

b) $\dfrac{15}{36}$

c) $\dfrac{-61}{45}$

d) $\dfrac{9}{89}$

18. Subtract $\dfrac{2}{3}$ from $\dfrac{4}{9}$.

a) $\dfrac{-2}{9}$

b) $\dfrac{5}{4}$

c)   14

d)   12

19. $\dfrac{3}{4} = \dfrac{?}{-24}$.

a)   -18

b)   −10

c)   23

d)   2

20. $2\dfrac{1}{3} + 4\dfrac{3}{5} =$ _____.

a) $\dfrac{13}{35}$

b) $\dfrac{3}{4}$

c) $\dfrac{4}{25}$

d) $\dfrac{104}{15}$