

Rational Number Worksheet - 4

1. The sum of two rational number is $\frac{11}{24}$. If one of the numbers is $\frac{3}{8}$, then find the other.

a) $\frac{1}{12}$

b) $\frac{11}{10}$

c) $\frac{4}{21}$

d) 0

2. What should be added to $\frac{-3}{32}$ to get $\frac{53}{96}$?

a) $\frac{11}{61}$

b) $\frac{31}{48}$

c) $\frac{5}{22}$

d) 0

3. What should be subtracted from $\frac{-4}{5}$ to get 1?

a) $\frac{1}{6}$

b) $\frac{9}{8}$

c) $\frac{-9}{5}$

d) 0

4. Evaluate $\frac{-2}{5} + \frac{3}{5} + \frac{-1}{5}$.

a) $\frac{1}{6}$

b) $\frac{9}{8}$

c) $\frac{-9}{5}$

d) 0

5. Evaluate $\frac{-8}{9} + \frac{4}{9} + \frac{-2}{9}$.

a) $\frac{-2}{3}$

b) $\frac{14}{10}$

c) $\frac{-10}{5}$

d) 0

6. What should be subtracted from $\frac{5}{9}$ to get $\frac{9}{5}$?

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

b) $\frac{-56}{45}$

c) $\frac{11}{18}$

d) 0

7. The sum of two rational number is -4. if one of them is $\frac{-13}{12}$, find the other.

a) $\frac{1}{6}$

b) $\frac{9}{8}$

c) $\frac{-35}{12}$

d) 0

8. Subtract $\frac{2}{9}$ from $\frac{5}{9}$.

a) 0

b) $\frac{9}{8}$

c) 1

d) $\frac{1}{3}$

9. What should be added to $\frac{-3}{20}$ to get $\frac{38}{20}$?

a) $\frac{13}{5}$

b) $\frac{50}{6}$

c) $\frac{4}{7}$

d) 0

10. Add $\frac{2}{9}$ with $\frac{5}{9}$.

a) $\frac{1}{6}$

b) $\frac{7}{9}$

c) $\frac{-9}{5}$

d) None of these

11. Find the cost of $\frac{7}{2}$ m. cloth, if one metre of cloth costs Rs. $\frac{651}{2}$?

a) Rs. $1139\frac{1}{4}$

b) Rs. 123

c) Rs. $\frac{259}{60}$

d) None of these

12. If 6 identical articles can be brought for \$ $2\frac{6}{17}$. Find the cost of each article.

a) \$ $\frac{20}{51}$

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

c) \$ $\frac{7}{4}$

d) \$ $\frac{5}{14}$

13. Evaluate $(\frac{32}{15} + \frac{8}{5}) \div (\frac{32}{15} + \frac{8}{5})$.

a) $\frac{6}{41}$

b) $\frac{-8}{44}$

c) $\frac{11}{18}$

d) 1

14. Divide -7 by $(\frac{-14}{5})$.

a) $\frac{5}{2}$

b) 1

c) $\frac{35}{9}$

d) None of these

15. Find the additive inverse of $\frac{-5}{8}$.

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

b) $\frac{-79}{33}$

c) $\frac{14}{32}$

d) None of these

16. Find the multiplicative inverse of $\frac{3}{4}$.

a) $\frac{4}{3}$

b) 1

c) $\frac{13}{11}$

d) 0

17. Divide $\frac{2}{7}$ by $(\frac{-8}{35})$.

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

b) $\frac{-5}{6}$

c) 0

d) 1

18. $\frac{4}{9} \times \underline{\hspace{2cm}} = -\frac{4}{3}$.

a) 3

b) $\frac{-4}{3}$

c) 5

d) -3

19. Which of the following are not rational number?

a) $\frac{5}{0}$

b) $\frac{-56}{45}$

c) $\frac{1}{1}$

d) 1

20. Find out the negative rational number.

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

b) $\frac{-4}{26}$

c) $\frac{11}{18}$

d) None of these