

Class 07 Chapter Fraction Practice paper -3

1. For what value of 'a' the number $-11/a$ is not a rational number.

- a) -1 b) 1 c) 0 d) 10

2. The product of two rational numbers is $-\frac{7}{8}$. If one

of the numbers is $\frac{1}{-6}$. Find the other.

- a) $\frac{37}{8}$ b) $-\frac{42}{8}$ c) $\frac{21}{4}$ d) $-\frac{7}{48}$

3. Find the value of $\frac{-9}{5} + \frac{-8}{5} \div \frac{5}{2} \times \frac{-5}{4}$.

- a) -1 b) -3 c) 2 d) -8

4. The additive inverse of $\frac{-1}{3} - \frac{-1}{3}$ is _____.

- a) $\frac{1}{3}$ b) 0 c) $-\frac{1}{3}$ d) None of these.

5. The sum of three rational numbers is $-\frac{1}{5}$. If two of

the numbers are $\frac{3}{10}$ and $-\frac{2}{5}$, find the third number.

- a) $-\frac{7}{10}$ b) $-\frac{11}{10}$ c) $\frac{2}{5}$ d) $-\frac{1}{10}$

6. The sum of three rational numbers is $-\frac{1}{5}$. If two of

the numbers are $\frac{3}{10}$ and $-\frac{2}{5}$, find the third number.

- a) $-\frac{7}{10}$ b) $-\frac{11}{10}$ c) $\frac{2}{5}$ d) $-\frac{1}{10}$

7. What is the quotient when a non-zero rational number is divided by its additive inverse.

- a) 0 b) -1 c) 1 d) None of these

8. The sum of $\frac{7}{-3}$ and $-\frac{5}{-6}$ is equal to the product of

$-\frac{5}{3}$ and a number. Find the number.

- a) $\frac{35}{6}$ b) $\frac{5}{3}$ c) $-\frac{25}{6}$ d) $\frac{19}{10}$

9. What number should be subtracted from $\frac{3}{7}$ to get $\frac{5}{7}$.

- a) $-\frac{2}{7}$ b) $\frac{2}{7}$ c) $\frac{3}{5}$ d) $\frac{1}{7}$

10. Product of $-1\frac{1}{7}$ and the reciprocal of $-\frac{2}{7}$ is

_____.

- a) $\frac{2}{7}$ b) 4 c) 3 d) $\frac{1}{-2}$

11. Which of the following is not equivalent to $-\frac{6}{21}$.

- a) $\frac{20}{-70}$ b) $\frac{10}{-35}$ c) $-\frac{9}{24}$ d) $-\frac{26}{91}$

12. Find the additive inverse of $-\frac{2}{-13}$.

- a) $\frac{2}{13}$ b) $\frac{13}{2}$ c) $-\frac{13}{2}$ d) $-\frac{2}{13}$

13. For any rational number a,b,c ,which among the following is false.

- a) $a \times b = b \times a$ b) $a \times (b-c) = a \times b - a \times c$
 c) $a \times (b \div c) = a \times b \div a \times c$ d) $a \times (b+c) = a \times b + a \times c$

14. Find the value: $\left[\frac{-2}{7} - \frac{5}{7} \right] \times \left[\frac{8}{3} \div \frac{4}{9} \right]$

- a) -6 b) $\frac{4}{7}$ c) $\frac{-6}{7}$ d) -2

15. From a rope of 40m50cm , pieces of equal size are cut. If each piece is $2\frac{1}{4}$ m long, find the number of pieces cut off?

- a) 15 b) 18 c) 22 d) 9

16. Divide the difference of $\frac{3}{7}$ and $\frac{2}{5}$ by the product of $\frac{4}{5}$ and $\frac{25}{2}$.

- a) $\frac{2}{7}$ b) $\frac{9}{35}$ c) $\frac{1}{350}$ d) $\frac{2}{75}$

17. _____ and _____ are reciprocals of itself.

- a) 0 ,1 b) 0,-1 c) 1,-1 d) None of these

18. By what number should we multiply $\frac{-5}{4}$ to get $\frac{7}{2}$.

- a) $\frac{-35}{8}$ b) $\frac{-5}{14}$ c) $\frac{8}{-35}$ d) $\frac{-14}{5}$

19. Divide the sum of $\frac{-1}{3}$ and $\frac{5}{6}$ by the sum of $\frac{1}{-4}$ and $\frac{3}{8}$.

- a) $\frac{1}{2}$ b) 6 c) 4 d) $\frac{1}{4}$

20. If $\frac{p}{q}$ and $\frac{r}{s}$ are rational numbers ,then $\frac{p}{q}$ is

multiplicative inverse of $\frac{r}{s}$ if,

- a) $\frac{p}{q} = \frac{r}{s}$ b) $\frac{p}{q} + \frac{r}{s} = 1$

- c) $\frac{p}{q} \times \frac{r}{s} = 1$ d) $\frac{p}{q} + \frac{r}{s} = 0$

21. Subtract $-\frac{3}{5}$ from its reciprocal.

- a) $\frac{-16}{15}$ b) $\frac{-34}{15}$ c) $\frac{-29}{9}$ d) $\frac{8}{15}$

ANSWERS

- 1) c 2) c 3) a 4) b 5) d 6) b 7) d 8) a 9) b 10) c 11) d 12) c
 13) a 14) b 15) c 16) c 17) d 18) c 19) c 20) a