EduSahara™ Assignment

Name : Operations on Rational Numbers

Chapter : Rational Numbers

Grade : SSC Grade VIII

1. Find the missing value in $\frac{4}{19} + \_\_\_\_\_ = \frac{139}{209}$

   (i) $\frac{7}{11}$ (ii) $\frac{5}{11}$ (iii) $\frac{5}{13}$ (iv) $\frac{5}{9}$ (v) $\frac{3}{11}$

2. Find the missing value in $\frac{12}{17} - \_\_\_\_\_ = \frac{151}{238}$

   (i) $\frac{1}{14}$ (ii) $\frac{1}{12}$ (iii) $(\frac{-1}{14})$ (iv) $\frac{1}{16}$ (v) $\frac{3}{14}$

3. Find the missing value in $\frac{1}{5} \times \_\_\_\_\_ = \frac{2}{15}$

   (i) $\frac{2}{3}$ (ii) $\frac{10}{13}$ (iii) $\frac{8}{15}$ (iv) $\frac{4}{5}$ (v) $\frac{10}{17}$

4. Find the missing value in $\frac{3}{14} \div \_\_\_\_\_ = \frac{3}{4}$

   (i) 0 (ii) $\frac{2}{7}$ (iii) $\frac{2}{9}$ (iv) $\frac{4}{7}$ (v) $\frac{2}{5}$

5. Find the missing value in $\frac{16}{5} + \_\_\_\_\_ = \frac{23}{5}$

   (i) $\frac{9}{5}$ (ii) 1 (iii) $\frac{7}{3}$ (iv) $\frac{7}{5}$

6. Find the missing value in $\frac{11}{7} - \_\_\_\_\_ = \frac{11}{56}$

   (i) $\frac{11}{8}$ (ii) $\frac{11}{6}$ (iii) $\frac{9}{8}$ (iv) $\frac{13}{8}$ (v) $\frac{11}{10}$

7. Find the missing value in $\frac{16}{3} \times \_\_\_\_\_ = \frac{224}{9}$

   (i) $\frac{16}{3}$ (ii) $\frac{14}{3}$ (iii) 14 (iv) 4 (v) $\frac{14}{5}$

8. Find the missing value in $\frac{15}{14} \div \_\_\_\_\_ = \frac{30}{91}$

   (i) $\frac{13}{6}$ (ii) $\frac{15}{4}$ (iii) $\frac{11}{4}$ (iv) $\frac{13}{2}$ (v) $\frac{13}{4}$

9. Which of the following is true?

(i) $\frac{15}{19} \times \frac{13}{19} = 1\frac{2}{13}$ (ii) $\frac{6}{7} \div \frac{1}{15} = \frac{2}{35}$ (iii) $\frac{6}{8} - \frac{10}{17} = \frac{11}{68}$ (iv) $\frac{3}{4} \times \frac{1}{9} = 6\frac{3}{4}$ (v) $\frac{2}{4} + \frac{1}{12} = \frac{5}{12}$

10. Which of the following is true?

(i) $\frac{25}{3} + \frac{20}{3} = 1\frac{2}{3}$ (ii) $\frac{29}{2} - \frac{16}{5} = 17\frac{7}{10}$ (iii) $\frac{10}{3} \div \frac{23}{20} = 3\frac{5}{6}$ (iv) $\frac{25}{3} \times \frac{8}{7} = 7\frac{7}{24}$ (v) $\frac{8}{5} + \frac{31}{20} = 3\frac{3}{20}$

11. $\frac{9}{10} + 10 =$ _____

(i) $\frac{111}{10}$ (ii) $\frac{109}{10}$ (iii) $\frac{109}{8}$ (iv) $\frac{107}{10}$ (v) $\frac{109}{12}$

12. $8\frac{11}{13} - 8 =$ _____

(i) $\frac{9}{13}$ (ii) $\frac{11}{15}$ (iii) 1 (iv) $\frac{11}{13}$

13. $\frac{5}{9} \div 8 =$ _____

(i) $\frac{5}{72}$ (ii) $\frac{1}{24}$ (iii) $\frac{5}{74}$ (iv) $\frac{7}{72}$ (v) $\frac{1}{14}$

14. $\frac{14}{9} + 13 =$ _____

(i) $\frac{131}{11}$ (ii) $\frac{133}{9}$ (iii) $\frac{131}{7}$ (iv) $\frac{43}{3}$ (v) $\frac{131}{9}$

15. $\frac{53}{5} - 9 =$ _____

(i) $\frac{8}{7}$ (ii) $\frac{8}{5}$ (iii) $\frac{6}{5}$ (iv) 2 (v) $\frac{8}{3}$

16. $\frac{14}{13} \times 15 =$ _____

(i) $\frac{212}{13}$ (ii) $\frac{210}{11}$ (iii) 14 (iv) $\frac{210}{13}$ (v) 16

17. $\frac{17}{15} \div 9 =$ _____

(i) $\frac{1}{9}$ (ii) $\frac{19}{135}$ (iii) $\frac{17}{137}$ (iv) $\frac{17}{133}$ (v) $\frac{17}{135}$

18. $18 + \frac{11}{12} =$ _____

(i) $\frac{229}{12}$ (ii) $\frac{227}{12}$ (iii) $\frac{75}{4}$ (iv) $\frac{227}{10}$ (v) $\frac{227}{14}$

19. $1 - \frac{4}{15} =$ _____

(i) $\frac{3}{5}$ (ii) $\frac{13}{15}$ (iii) $\frac{11}{17}$ (iv) $\frac{11}{15}$ (v) $\frac{11}{13}$

20. $15 \times \frac{2}{7} =$ _____

(i) $\frac{10}{3}$ (ii) $\frac{32}{7}$ (iii) 4 (iv) $\frac{30}{7}$ (v) 6

21. $7 \div \frac{10}{15} =$ _____

(i) $\frac{21}{2}$ (ii) $\frac{23}{2}$ (iii) $\frac{21}{4}$ (iv) $\frac{19}{2}$ (v) 21

22. $18 + \frac{19}{6} =$ _____

(i) $\frac{125}{6}$ (ii) $\frac{127}{4}$ (iii) $\frac{127}{6}$ (iv) $\frac{43}{2}$ (v) $\frac{127}{8}$

23. $2 - \frac{13}{7} =$ _____

(i) $\frac{3}{7}$ (ii) $(\frac{-1}{7})$ (iii) $\frac{1}{9}$ (iv) $\frac{1}{7}$ (v) $\frac{1}{5}$

24. $12 \times \frac{11}{5} =$ _____

(i) 44 (ii) 26 (iii) $\frac{132}{5}$ (iv) $\frac{132}{7}$ (v) $\frac{134}{5}$

25. $9 \div \frac{8}{5} =$ _____

(i) $\frac{45}{8}$ (ii) $\frac{47}{8}$ (iii) $\frac{15}{2}$ (iv) $\frac{43}{8}$ (v) $\frac{9}{2}$

Assignment Key

1) (ii)	2) (i)	3) (i)	4) (ii)	5) (iv)	6) (i)
7) (ii)	8) (v)	9) (iii)	10) (v)	11) (ii)	12) (iv)
13) (i)	14) (v)	15) (ii)	16) (iv)	17) (v)	18) (ii)
19) (iv)	20) (iv)	21) (i)	22) (iii)	23) (iv)	24) (iii)
25) (i)					