EduSahara™ Assignment

Name : Operations on Rational Numbers

Chapter : Rational Numbers

Grade : CBSE Grade VII

1. $\frac{2}{3} + 15 =$ _____

   (i) 15 (ii) $\frac{47}{3}$ (iii) $\frac{49}{3}$ (iv) 47 (v) $\frac{47}{5}$

2. $19\frac{2}{3} - 19 =$ _____

   (i) $\frac{2}{5}$ (ii) $\frac{2}{3}$ (iii) 2 (iv) $\frac{4}{3}$ (v) 0

3. $\frac{9}{10} \times 1 =$ _____

   (i) $\frac{3}{4}$ (ii) $\frac{7}{10}$ (iii) $\frac{9}{8}$ (iv) $\frac{9}{10}$ (v) $\frac{11}{10}$

4. $\frac{9}{11} \div 20 =$ _____

   (i) $\frac{9}{220}$ (ii) $\frac{3}{74}$ (iii) $\frac{9}{218}$ (iv) $\frac{1}{20}$ (v) $\frac{7}{220}$

5. $\frac{3}{1} + 18 =$ _____

   (i) 21 (ii) 24 (iii) 22 (iv) 18 (v) 20

6. $\frac{59}{11} - 4 =$ _____

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

7. $\frac{8}{3} \times 5 =$ _____

   (i) 8 (ii) 14 (iii) $\frac{40}{3}$ (iv) $\frac{38}{3}$ (v) 40

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

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

9. $4 + \frac{1}{5} =$ _____

(i) $\frac{21}{5}$ (ii) 3 (iii) $\frac{23}{5}$ (iv) 7 (v) $\frac{19}{5}$

10. $6 - \frac{4}{15} =$ _____

(i) $\frac{86}{17}$ (ii) $\frac{86}{15}$ (iii) $\frac{86}{13}$ (iv) $\frac{88}{15}$ (v) $\frac{28}{5}$

11. $10 \times \frac{1}{2} =$ _____

(i) 6 (ii) 5 (iii) 2 (iv) 4 (v) 8

12. $17 \div \frac{1}{3} =$ _____

(i) 50 (ii) 48 (iii) 52 (iv) 51 (v) 54

13. $8 + \frac{19}{8} =$ _____

(i) $\frac{81}{8}$ (ii) $\frac{85}{8}$ (iii) $\frac{83}{8}$ (iv) $\frac{83}{6}$ (v) $\frac{83}{10}$

14. $1 - \frac{16}{5} =$ _____

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

15. $2 \times \frac{14}{13} =$ _____

(i) $\frac{28}{11}$ (ii) $\frac{28}{13}$ (iii) $\frac{30}{13}$ (iv) 2 (v) $\frac{28}{15}$

16. $2 \div \frac{11}{10} =$ _____

(i) $\frac{20}{11}$ (ii) $\frac{20}{13}$ (iii) $\frac{18}{11}$ (iv) 2 (v) $\frac{20}{9}$

17. The additive inverse of $\frac{7}{9}$ is

(i) $(\frac{-7}{9})$ (ii) 0 (iii) $\frac{9}{7}$ (iv) $(-1\frac{7}{9})$ (v) $\frac{9}{-7}$

18. The multiplicative inverse of $\frac{8}{9}$ is

(i) $3\frac{1}{8}$ (ii) $\frac{1}{8}$ (iii) $\frac{9}{8}$ (iv) $2\frac{1}{8}$ (v) $(\frac{-7}{8})$

19. Find the missing value in $\frac{7}{11} + \_\_\_\_\_ = \frac{61}{44}$

(i) $\frac{5}{4}$ (ii) $\frac{1}{4}$ (iii) $\frac{1}{2}$ (iv) $\frac{3}{4}$ (v) $\frac{3}{2}$

20. Find the missing value in $\frac{12}{15} - \_\_\_\_\_ = \frac{3}{5}$

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

21. Find the missing value in $\frac{3}{12} \times \_\_\_\_\_ = \frac{1}{6}$

(i) $\frac{2}{3}$ (ii) $\frac{1}{3}$ (iii) 1 (iv) $\frac{1}{2}$

22. Find the missing value in $\frac{1}{15} \div \_\_\_\_\_ = \frac{4}{45}$

(i) $\frac{3}{4}$ (ii) $\frac{2}{3}$ (iii) $\frac{5}{8}$ (iv) $\frac{7}{8}$ (v) $\frac{6}{7}$

23. Find the missing value in $\frac{12}{7} + \_\_\_\_\_ = \frac{172}{35}$

(i) $\frac{16}{5}$ (ii) $\frac{14}{5}$ (iii) $\frac{18}{5}$ (iv) $\frac{16}{3}$ (v) $\frac{16}{7}$

24. Find the missing value in $\frac{19}{10} - \_\_\_\_\_ = \frac{1}{40}$

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

25. Find the missing value in $\frac{17}{9} \times \_\_\_\_\_ = \frac{34}{13}$

(i) $\frac{20}{13}$ (ii) $\frac{6}{5}$ (iii) $\frac{18}{13}$ (iv) $\frac{16}{13}$ (v) $\frac{18}{11}$

26. Find the missing value in $\frac{19}{12} \div \_\_\_\_\_ = \frac{1}{2}$

(i) $\frac{7}{2}$ (ii) $\frac{19}{4}$ (iii) $\frac{17}{6}$ (iv) $\frac{19}{6}$ (v) $\frac{19}{8}$

27. Which of the following is true?

(i) $\frac{9}{10} \times \frac{9}{15} = 1\frac{1}{2}$ (ii) $\frac{5}{8} - \frac{1}{6} = \frac{11}{24}$ (iii) $\frac{2}{7} \div \frac{1}{13} = \frac{2}{91}$ (iv) $\frac{10}{17} + \frac{4}{17} = \frac{6}{17}$ (v) $\frac{5}{9} \div \frac{1}{6} = \frac{5}{54}$

28. Which of the following is true?

(i) $\frac{28}{19} \div \frac{22}{19} = 1\frac{255}{361}$ (ii) $\frac{31}{9} \times \frac{17}{9} = 1\frac{14}{17}$ (iii) $\frac{35}{3} \div \frac{17}{3} = 66\frac{1}{9}$ (iv) $\frac{23}{9} - \frac{25}{11} = 4\frac{82}{99}$ (v) $\frac{10}{3} \times \frac{10}{7} = 4\frac{16}{21}$

29. Find the missing value in $22\frac{6}{7} + \_\_\_\_\_ = 29\frac{2}{7}$

(i) $6\frac{3}{5}$ (ii) $6\frac{1}{3}$ (iii) $6\frac{1}{7}$ (iv) $6\frac{5}{7}$ (v) $6\frac{3}{7}$

30. Find the missing value in $19\frac{1}{3} - \_\_\_\_\_ = 11\frac{10}{39}$

(i) $8\frac{1}{15}$ (ii) $8\frac{3}{13}$ (iii) $8\frac{1}{13}$ (iv) $8\frac{1}{11}$ (v) $7\frac{12}{13}$

31. Find the missing value in $4\frac{15}{16} \times \_\_\_\_\_ = 15\frac{195}{224}$

(i) $3\frac{1}{4}$ (ii) $3\frac{3}{14}$ (iii) $3\frac{5}{14}$ (iv) $3\frac{1}{14}$ (v) $3\frac{3}{16}$

32. Find the missing value in $9\frac{13}{15} \div \_\_\_\_\_ = \frac{1628}{1635}$

(i) $10\frac{1}{9}$ (ii) $10\frac{1}{11}$ (iii) $9\frac{8}{11}$ (iv) $9\frac{10}{11}$ (v) $9\frac{10}{13}$

33. $5\frac{1}{3} + 11 = \_\_\_\_\_$

(i) $\frac{47}{3}$ (ii) 49 (iii) $\frac{49}{3}$ (iv) $\frac{49}{5}$ (v) 17

34. $18\frac{1}{9} - 13 = \_\_\_\_\_$

(i) $\frac{16}{3}$ (ii) $\frac{46}{9}$ (iii) $\frac{44}{9}$ (iv) $\frac{46}{11}$ (v) $\frac{46}{7}$

35. $5\frac{2}{5} \times 8 = \_\_\_\_\_$

(i) $\frac{216}{5}$ (ii) 72 (iii) $\frac{214}{5}$ (iv) $\frac{216}{7}$ (v) $\frac{218}{5}$

36. $3\frac{6}{11} \div 19 = \_\_\_\_\_$

(i) $\frac{39}{211}$ (ii) $\frac{39}{209}$ (iii) $\frac{41}{209}$ (iv) $\frac{13}{69}$ (v) $\frac{37}{209}$

37. $13 + 5\frac{5}{13} = \_\_\_\_\_$

(i) $\frac{241}{13}$ (ii) $\frac{239}{15}$ (iii) $\frac{237}{13}$ (iv) $\frac{239}{11}$ (v) $\frac{239}{13}$

38. $15 - 9\frac{3}{5} =$ _____

(i) $\frac{27}{7}$ (ii) $\frac{29}{5}$ (iii) $\frac{27}{5}$ (iv) 9 (v) 5

39. $19 \times 9\frac{1}{8} =$ _____

(i) $\frac{1387}{8}$ (ii) $\frac{1387}{6}$ (iii) $\frac{1387}{10}$ (iv) $\frac{1389}{8}$ (v) $\frac{1385}{8}$

40. $16 \div 7\frac{4}{11} =$ _____

(i) $\frac{176}{83}$ (ii) $\frac{176}{81}$ (iii) $\frac{176}{79}$ (iv) $\frac{178}{81}$ (v) $\frac{58}{27}$

Assignment Key

1) (ii)	2) (ii)	3) (iv)	4) (i)	5) (i)	6) (iii)
7) (iii)	8) (iv)	9) (i)	10) (ii)	11) (ii)	12) (iv)
13) (iii)	14) (iv)	15) (ii)	16) (i)	17) (i)	18) (iii)
19) (iv)	20) (iv)	21) (i)	22) (i)	23) (i)	24) (iv)
25) (iii)	26) (iv)	27) (ii)	28) (v)	29) (v)	30) (iii)
31) (ii)	32) (iv)	33) (iii)	34) (ii)	35) (i)	36) (ii)
37) (v)	38) (iii)	39) (i)	40) (ii)		