EduSahara™ Assignment

Name : Operations on Rational Numbers

Chapter : Rational Numbers

Grade : CBSE Grade VII

1. $\frac{14}{16} + 11 =$ _____

(i) $\frac{97}{8}$ (ii) $\frac{95}{8}$ (iii) $\frac{19}{2}$ (iv) $\frac{95}{6}$ (v) $\frac{93}{8}$

2. $5\frac{9}{14} - 5 =$ _____

(i) $\frac{9}{16}$ (ii) $\frac{9}{14}$ (iii) $\frac{11}{14}$ (iv) $\frac{1}{2}$ (v) $\frac{3}{4}$

3. $\frac{3}{4} \times 3 =$ _____

(i) $\frac{11}{4}$ (ii) $\frac{7}{4}$ (iii) $\frac{3}{2}$ (iv) $\frac{9}{4}$ (v) $\frac{9}{2}$

4. $\frac{10}{11} \div 10 =$ _____

(i) $\frac{1}{11}$ (ii) $(\frac{-1}{11})$ (iii) $\frac{1}{13}$ (iv) $\frac{1}{9}$ (v) $\frac{3}{11}$

5. $\frac{14}{9} + 10 =$ _____

(i) $\frac{34}{3}$ (ii) $\frac{104}{9}$ (iii) $\frac{106}{9}$ (iv) $\frac{104}{7}$ (v) $\frac{104}{11}$

6. $\frac{28}{13} - 1 =$ _____

(i) $\frac{17}{13}$ (ii) $\frac{15}{11}$ (iii) $\frac{15}{13}$ (iv) 1

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

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

8. $\frac{14}{5} \div 16 =$ _____

(i) $\frac{9}{40}$ (ii) $\frac{1}{8}$ (iii) $\frac{1}{6}$ (iv) $\frac{7}{38}$ (v) $\frac{7}{40}$

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

(i) $\frac{40}{3}$ (ii) $\frac{122}{11}$ (iii) $\frac{120}{13}$ (iv) $\frac{118}{11}$ (v) $\frac{120}{11}$

10. $13 - \frac{1}{4} =$ _____

(i) $\frac{51}{2}$ (ii) $\frac{17}{2}$ (iii) $\frac{51}{4}$ (iv) $\frac{49}{4}$ (v) $\frac{53}{4}$

11. $13 \times \frac{2}{9} =$ _____

(i) $\frac{26}{7}$ (ii) $\frac{8}{3}$ (iii) $\frac{28}{9}$ (iv) $\frac{26}{11}$ (v) $\frac{26}{9}$

12. $16 \div \frac{1}{2} =$ _____

(i) 33 (ii) 35 (iii) 31 (iv) 32 (v) 29

13. $4 + \frac{15}{14} =$ _____

(i) $\frac{69}{14}$ (ii) $\frac{73}{14}$ (iii) $\frac{71}{14}$ (iv) $\frac{71}{16}$ (v) $\frac{71}{12}$

14. $1 - \frac{9}{2} =$ _____

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

15. $17 \times \frac{16}{15} =$ _____

(i) $\frac{272}{13}$ (ii) 16 (iii) $\frac{272}{15}$ (iv) $\frac{274}{15}$ (v) 18

16. $6 \div \frac{7}{3} =$ _____

(i) 2 (ii) $\frac{16}{7}$ (iii) $\frac{18}{5}$ (iv) $\frac{20}{7}$ (v) $\frac{18}{7}$

17. The additive inverse of $(\frac{-9}{5})$ is

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

18. The multiplicative inverse of $(\frac{-1}{5})$ is

(i) -4 (ii) -6 (iii) -3 (iv) -7 (v) $\frac{-5}{1}$

19. Find the missing value in $\frac{1}{4} + \_\_\_\_\_ = \frac{7}{12}$

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

20. Find the missing value in $\frac{8}{9} - \_\_\_\_\_ = \frac{23}{36}$

(i) $\frac{3}{4}$ (ii) $\frac{1}{2}$ (iii) $\frac{1}{4}$ (iv) $\frac{1}{6}$ (v) $(\frac{-1}{4})$

21. Find the missing value in $\frac{4}{13} \times \_\_\_\_\_ = \frac{4}{65}$

(i) $\frac{1}{10}$ (ii) $\frac{3}{10}$ (iii) $\frac{2}{9}$ (iv) $\frac{1}{5}$ (v) $\frac{2}{11}$

22. Find the missing value in $\frac{2}{6} \div \_\_\_\_\_ = \frac{3}{8}$

(i) $\frac{8}{7}$ (ii) $\frac{8}{11}$ (iii) $\frac{8}{9}$ (iv) $\frac{2}{3}$ (v) $\frac{10}{9}$

23. Find the missing value in $\frac{13}{11} + \_\_\_\_\_ = \frac{337}{99}$

(i) $\frac{22}{9}$ (ii) 2 (iii) $\frac{20}{7}$ (iv) $\frac{20}{9}$ (v) $\frac{20}{11}$

24. Find the missing value in $\frac{15}{4} - \_\_\_\_\_ = \frac{51}{20}$

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

25. Find the missing value in $\frac{6}{5} \times \_\_\_\_\_ = \frac{84}{65}$

(i) $\frac{14}{11}$ (ii) $\frac{14}{15}$ (iii) $\frac{16}{13}$ (iv) $\frac{14}{13}$ (v) $\frac{12}{13}$

26. Find the missing value in $\frac{20}{17} \div \_\_\_\_\_ = \frac{19}{17}$

(i) $\frac{18}{19}$ (ii) $\frac{22}{19}$ (iii) $\frac{20}{19}$ (iv) $\frac{20}{21}$ (v) $\frac{20}{17}$

27. Which of the following is true?

(i) $\frac{14}{16} \div \frac{3}{6} = \frac{7}{16}$ (ii) $\frac{6}{16} - \frac{2}{12} = \frac{5}{24}$ (iii) $\frac{2}{3} + \frac{4}{10} = \frac{4}{15}$ (iv) $\frac{7}{9} \times \frac{1}{2} = 1\frac{5}{9}$ (v) $\frac{10}{13} \times \frac{3}{12} = 3\frac{1}{13}$

28. Which of the following is true?

(i) $\frac{29}{6} \times \frac{13}{4} = 1\frac{19}{39}$ (ii) $\frac{34}{9} - \frac{27}{14} = 5\frac{89}{126}$ (iii) $\frac{15}{2} \times \frac{7}{5} = 5\frac{5}{14}$ (iv) $\frac{37}{13} \times \frac{23}{10} = 6\frac{71}{130}$ (v) $\frac{23}{5} \div \frac{19}{14} = 6\frac{17}{70}$

29. Find the missing value in $19\frac{18}{19} + \_\_\_\_\_ = 29\frac{35}{57}$

(i) 11 (ii) 9 (iii) $10\frac{1}{3}$ (iv) $9\frac{2}{5}$ (v) $9\frac{2}{3}$

30. Find the missing value in $15\frac{3}{19} - \_\_\_\_\_ = 9\frac{269}{380}$

(i) $5\frac{7}{20}$ (ii) $5\frac{11}{20}$ (iii) $5\frac{1}{2}$ (iv) $5\frac{9}{20}$ (v) $5\frac{9}{22}$

31. Find the missing value in $10\frac{11}{20} \times \_\_\_\_\_ = 67\frac{3}{22}$

(i) $6\frac{4}{13}$ (ii) $6\frac{4}{11}$ (iii) $6\frac{4}{9}$ (iv) $6\frac{6}{11}$ (v) $6\frac{2}{11}$

32. Find the missing value in $4\frac{9}{19} \div \_\_\_\_\_ = \frac{25}{38}$

(i) $6\frac{4}{5}$ (ii) $7\frac{1}{3}$ (iii) $6\frac{4}{7}$ (iv) $6\frac{2}{5}$ (v) $7\frac{1}{5}$

33. $4\frac{7}{16} + 13 = \_\_\_\_\_$

(i) $\frac{281}{16}$ (ii) $\frac{279}{16}$ (iii) $\frac{277}{16}$ (iv) $\frac{279}{14}$ (v) $\frac{31}{2}$

34. $8\frac{11}{15} - 7 = \_\_\_\_\_$

(i) $\frac{28}{15}$ (ii) $\frac{8}{5}$ (iii) $\frac{26}{15}$ (iv) $\frac{26}{17}$ (v) 2

35. $2\frac{3}{4} \times 12 = \_\_\_\_\_$

(i) 34 (ii) 35 (iii) 31 (iv) 33 (v) 32

36. $10\frac{1}{3} \div 19 = \_\_\_\_\_$

(i) $\frac{29}{57}$ (ii) $\frac{31}{55}$ (iii) $\frac{11}{19}$ (iv) $\frac{31}{57}$ (v) $\frac{31}{59}$

37. $20 + 9\frac{5}{14} = \_\_\_\_\_$

(i) $\frac{409}{14}$ (ii) $\frac{411}{14}$ (iii) $\frac{411}{16}$ (iv) $\frac{59}{2}$ (v) $\frac{137}{4}$

38. $15 - 4\frac{1}{9} = \_\_\_\_\_$

(i) $\frac{100}{9}$ (ii) $\frac{32}{3}$ (iii) $\frac{98}{9}$ (iv) 14 (v) $\frac{98}{11}$

39. $3 \times 6\frac{4}{9} =$ _____

(i) $\frac{58}{3}$ (ii) 58 (iii) $\frac{56}{3}$ (iv) 20 (v) $\frac{58}{5}$

40. $17 \div 3\frac{8}{11} =$ _____

(i) $\frac{187}{39}$ (ii) $\frac{187}{41}$ (iii) $\frac{187}{43}$ (iv) $\frac{189}{41}$ (v) $\frac{185}{41}$

Assignment Key

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