

EduSahara™ Learning Center Assignment

Grade : Class VIII, CBSE
Chapter : Rational Numbers
Name : Operations on Rational Numbers
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1. Find the missing value in $\frac{3}{4} + \text{-----} = \frac{5}{6}$

- (i) $\frac{1}{12}$ (ii) $(-\frac{1}{12})$ (iii) $\frac{1}{10}$ (iv) $\frac{1}{4}$ (v) $\frac{1}{14}$

2. Find the missing value in $\frac{18}{19} - \text{-----} = \frac{161}{190}$

- (i) $\frac{1}{12}$ (ii) $\frac{3}{10}$ (iii) $\frac{1}{10}$ (iv) $\frac{1}{8}$ (v) $(-\frac{1}{10})$

3. Find the missing value in $\frac{8}{20} \times \text{-----} = \frac{1}{10}$

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

4. Find the missing value in $\frac{7}{12} \div \text{-----} = \frac{49}{30}$

- (i) $\frac{1}{2}$ (ii) $\frac{3}{14}$ (iii) $\frac{5}{16}$ (iv) $\frac{5}{12}$ (v) $\frac{5}{14}$

5. Find the missing value in $\frac{19}{5} + \text{-----} = \frac{73}{15}$

- (i) $\frac{16}{17}$ (ii) $\frac{14}{15}$ (iii) $\frac{16}{15}$ (iv) $\frac{16}{13}$ (v) $\frac{6}{5}$

6. Find the missing value in $\frac{7}{6} - \text{-----} = \frac{5}{102}$

- (i) $\frac{19}{15}$ (ii) $\frac{21}{17}$ (iii) $\frac{19}{17}$ (iv) 1

7. Find the missing value in $\frac{15}{13} \times \text{-----} = \frac{50}{39}$

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

8. Find the missing value in $\frac{15}{13} \div \text{-----} = \frac{105}{169}$

- (i) $\frac{11}{7}$ (ii) $\frac{15}{7}$ (iii) $\frac{13}{7}$ (iv) $\frac{13}{5}$ (v) $\frac{13}{9}$

9. $\frac{4}{6} + 14 = \text{-----}$

- (i) 44 (ii) $\frac{46}{3}$ (iii) $\frac{44}{5}$ (iv) 14 (v) $\frac{44}{3}$
-

10. $10\frac{3}{4} - 10 = \text{-----}$

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

11. $\frac{2}{15} \times 19 = \text{-----}$

- (i) $\frac{12}{5}$ (ii) $\frac{38}{13}$ (iii) $\frac{8}{3}$ (iv) $\frac{38}{17}$ (v) $\frac{38}{15}$
-

12. $\frac{8}{16} \div 8 = \text{-----}$

- (i) $\frac{1}{16}$ (ii) $\frac{3}{16}$ (iii) $\frac{1}{14}$ (iv) $(\frac{-1}{16})$ (v) $\frac{1}{18}$
-

13. $\frac{10}{7} + 12 = \text{-----}$

- (i) $\frac{94}{9}$ (ii) $\frac{92}{7}$ (iii) $\frac{94}{7}$ (iv) $\frac{94}{5}$ (v) $\frac{96}{7}$
-

14. $\frac{43}{2} - 16 = \text{-----}$

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

15. $\frac{20}{3} \times 8 = \text{-----}$

- (i) 54 (ii) 32 (iii) 160 (iv) $\frac{160}{3}$ (v) $\frac{158}{3}$
-

16. $\frac{14}{3} \div 14 = \text{-----}$

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

17. $6 + \frac{3}{5} = \text{-----}$

- (i) 7 (ii) $\frac{31}{5}$ (iii) 11 (iv) $\frac{33}{7}$ (v) $\frac{33}{5}$
-

18. $6 - \frac{10}{12} = \text{-----}$

- (i) $\frac{31}{6}$ (ii) $\frac{31}{4}$ (iii) $\frac{11}{2}$ (iv) $\frac{31}{8}$ (v) $\frac{29}{6}$
-

19. $8 \times \frac{3}{5} = \text{-----}$

- (i) $\frac{22}{5}$ (ii) $\frac{24}{7}$ (iii) $\frac{26}{5}$ (iv) $\frac{24}{5}$ (v) 8
-

20. $15 \div \frac{4}{5} = \text{-----}$

- (i) $\frac{75}{4}$ (ii) $\frac{75}{2}$ (iii) $\frac{25}{2}$ (iv) $\frac{77}{4}$ (v) $\frac{73}{4}$
-

21. $8 + \frac{10}{3} = \text{-----}$

- (i) $\frac{34}{3}$ (ii) $\frac{34}{5}$ (iii) $\frac{32}{3}$ (iv) 34 (v) 12
-

22. $9 - \frac{13}{11} = \text{-----}$

- (i) $\frac{86}{13}$ (ii) $\frac{84}{11}$ (iii) 8 (iv) $\frac{86}{11}$ (v) $\frac{86}{9}$
-

23. $20 \times \frac{15}{8} = \text{-----}$

- (i) 75 (ii) $\frac{77}{2}$ (iii) $\frac{75}{2}$ (iv) $\frac{73}{2}$ (v) $\frac{75}{4}$
-

24. $7 \div \frac{14}{13} = \text{-----}$

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

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