

**EduSahara™ Learning Center Assignment****Grade : Class VIII, SSC****Chapter : Rational Numbers****Name : Operations on Rational Numbers****Licensed To : Teachers and Students for non-commercial use**

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1. Find the missing value in  $\frac{14}{18} + \text{-----} = \frac{29}{18}$

- (i)  $\frac{3}{4}$  (ii)  $\frac{15}{16}$  (iii)  $\frac{13}{18}$  (iv)  $\frac{5}{6}$  (v)  $\frac{17}{18}$
- 

2. Find the missing value in  $\frac{7}{11} - \text{-----} = \frac{1}{11}$

- (i)  $\frac{6}{11}$  (ii)  $\frac{2}{3}$  (iii)  $\frac{8}{11}$  (iv)  $\frac{6}{13}$  (v)  $\frac{4}{11}$
- 

3. Find the missing value in  $\frac{2}{11} \times \text{-----} = \frac{2}{187}$

- (i)  $\frac{1}{19}$  (ii)  $\frac{1}{17}$  (iii)  $\frac{1}{15}$  (iv)  $\frac{3}{17}$  (v)  $(\frac{-1}{17})$
- 

4. Find the missing value in  $\frac{4}{6} \div \text{-----} = \frac{10}{9}$

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

5. Find the missing value in  $\frac{13}{9} + \text{-----} = \frac{26}{9}$

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

6. Find the missing value in  $\frac{13}{10} - \text{-----} = \frac{1}{30}$

- (i)  $\frac{19}{13}$  (ii)  $\frac{17}{15}$  (iii)  $\frac{19}{15}$  (iv)  $\frac{7}{5}$  (v)  $\frac{19}{17}$
- 

7. Find the missing value in  $\frac{9}{7} \times \text{-----} = 3$

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

8. Find the missing value in  $\frac{18}{17} \div \text{-----} = \frac{216}{323}$

- (i)  $\frac{19}{10}$  (ii)  $\frac{17}{12}$  (iii)  $\frac{19}{14}$  (iv)  $\frac{19}{12}$  (v)  $\frac{7}{4}$
-

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9. Which of the following is true?

- (i)  $\frac{8}{9} \times \frac{9}{12} = 1\frac{5}{27}$  (ii)  $\frac{14}{17} + \frac{1}{11} = \frac{137}{187}$  (iii)  $\frac{4}{17} \times \frac{2}{14} = \frac{4}{119}$   
(iv)  $\frac{10}{12} - \frac{1}{4} = \frac{13}{12}$  (v)  $\frac{7}{9} - \frac{3}{5} = \frac{62}{45}$
- 

10. Which of the following is true?

- (i)  $\frac{25}{13} \times \frac{5}{3} = 3\frac{8}{39}$  (ii)  $\frac{29}{2} \times \frac{13}{12} = 13\frac{5}{13}$  (iii)  $\frac{22}{9} + \frac{23}{18} = 1\frac{1}{6}$   
(iv)  $\frac{31}{2} - \frac{31}{12} = 18\frac{1}{12}$  (v)  $\frac{38}{17} \div \frac{17}{10} = 3\frac{4}{5}$
- 

11.  $\frac{3}{4} + 8 = \text{-----}$

- (i)  $\frac{35}{6}$  (ii)  $\frac{35}{2}$  (iii)  $\frac{33}{4}$  (iv)  $\frac{37}{4}$  (v)  $\frac{35}{4}$
- 

12.  $18\frac{2}{3} - 18 = \text{-----}$

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

13.  $\frac{4}{8} \div 9 = \text{-----}$

- (i)  $\frac{1}{20}$  (ii)  $\frac{1}{16}$  (iii)  $(\frac{-1}{18})$  (iv)  $\frac{1}{18}$  (v)  $\frac{1}{6}$
- 

14.  $\frac{5}{1} + 2 = \text{-----}$

- (i) 7 (ii) 8 (iii) 4 (iv) 6 (v) 9
- 

15.  $\frac{67}{6} - 8 = \text{-----}$

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

16.  $\frac{20}{7} \times 10 = \text{-----}$

- (i)  $\frac{200}{7}$  (ii)  $\frac{200}{9}$  (iii)  $\frac{202}{7}$  (iv)  $\frac{198}{7}$  (v) 40
- 

17.  $\frac{12}{5} \div 10 = \text{-----}$

- (i)  $\frac{2}{9}$  (ii)  $\frac{8}{25}$  (iii)  $\frac{6}{23}$  (iv)  $\frac{6}{25}$  (v)  $\frac{4}{25}$
-

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18.  $5 + \frac{1}{7} = \text{-----}$

- (i)  $\frac{36}{7}$  (ii) 4 (iii)  $\frac{34}{7}$  (iv)  $\frac{36}{5}$  (v)  $\frac{38}{7}$
- 

19.  $16 - \frac{4}{10} = \text{-----}$

- (i)  $\frac{78}{5}$  (ii)  $\frac{76}{5}$  (iii) 16 (iv)  $\frac{78}{7}$  (v) 26
- 

20.  $17 \times \frac{10}{12} = \text{-----}$

- (i)  $\frac{85}{6}$  (ii)  $\frac{85}{8}$  (iii)  $\frac{85}{4}$  (iv)  $\frac{29}{2}$  (v)  $\frac{83}{6}$
- 

21.  $11 \div \frac{8}{13} = \text{-----}$

- (i)  $\frac{143}{6}$  (ii)  $\frac{143}{8}$  (iii)  $\frac{143}{10}$  (iv)  $\frac{141}{8}$  (v)  $\frac{145}{8}$
- 

22.  $13 + \frac{13}{6} = \text{-----}$

- (i)  $\frac{89}{6}$  (ii)  $\frac{91}{6}$  (iii)  $\frac{91}{4}$  (iv)  $\frac{31}{2}$  (v)  $\frac{91}{8}$
- 

23.  $12 - \frac{16}{11} = \text{-----}$

- (i)  $\frac{114}{11}$  (ii)  $\frac{116}{11}$  (iii)  $\frac{116}{13}$  (iv)  $\frac{118}{11}$  (v)  $\frac{116}{9}$
- 

24.  $19 \times \frac{11}{9} = \text{-----}$

- (i)  $\frac{209}{7}$  (ii)  $\frac{209}{9}$  (iii) 19 (iv) 23 (v)  $\frac{211}{9}$
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25.  $11 \div \frac{11}{5} = \text{-----}$

- (i) 6 (ii) 4 (iii) 8 (iv) 2 (v) 5
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## Assignment Key

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