EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Fractions

Grade : ICSE Grade VII

1. The descending order of $\frac{5}{6}, \frac{1}{5}, \frac{1}{7}, \frac{2}{7}, \frac{1}{3}, \frac{1}{3}$ is

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

   (v) $\frac{1}{3}, \frac{5}{6}, \frac{2}{7}, \frac{1}{5}, \frac{1}{3}, \frac{1}{7}$

2. Which of the following are true?

   a) $\frac{3}{19} + (\frac{29}{8} + \frac{16}{5}) = (\frac{3}{19} + \frac{29}{8}) + \frac{16}{5}$

   b) $\frac{9}{13} \div (\frac{17}{5} \div \frac{7}{20}) = (\frac{9}{13} \div \frac{17}{5}) \div \frac{7}{20}$

   c) $\frac{3}{19} \times (\frac{17}{5} \times \frac{15}{14}) = (\frac{3}{19} \times \frac{17}{5}) \times \frac{15}{14}$

   d) $\frac{9}{13} - (\frac{29}{8} - \frac{3}{19}) = (\frac{9}{13} - \frac{29}{8}) - \frac{3}{19}$

   (i) {b,c,a} (ii) {a,c} (iii) {d,c} (iv) {b,a} (v) {b,d,a}

3. The multiplicative inverse of $(\frac{-2}{3})$ is

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

4. Identify the improper fraction

   (i) $\frac{5}{4}$ (ii) $\frac{5}{14}$ (iii) $\frac{8}{15}$ (iv) $2\frac{3}{13}$ (v) $21\frac{3}{4}$

5. $9\frac{1}{4} \times 4\frac{4}{7} =$

   (i) $44\frac{2}{7}$ (ii) $43\frac{2}{7}$ (iii) $42\frac{2}{7}$ (iv) $40\frac{2}{7}$ (v) $41\frac{2}{7}$

6. Find the value of $6\frac{1}{3} \div \frac{19}{6} + 14\frac{2}{3} \div \frac{11}{3} - \frac{7}{2} - 3 + 10\frac{2}{3} \div \frac{8}{3} - 10 \div \frac{10}{3}$

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

7. The simplest form of the fraction $\frac{8}{36}$ is

(i) $\frac{2}{11}$ (ii) 0 (iii) $\frac{2}{7}$ (iv) $\frac{2}{9}$ (v) $\frac{4}{9}$

8. $4\frac{2}{5} \div 7\frac{1}{5} =$

(i) $\frac{11}{18}$ (ii) $(\frac{-7}{18})$ (iii) $1\frac{11}{18}$ (iv) $(-1\frac{7}{18})$ (v) $2\frac{11}{18}$

9. Which of the following is true?

(i) $37\frac{1}{4} + 18\frac{7}{13} = 55\frac{41}{52}$ (ii) $20\frac{4}{5} \div 2\frac{2}{5} = 49\frac{23}{25}$ (iii) $29\frac{5}{13} + 10\frac{5}{11} = 18\frac{133}{143}$ (iv) $38\frac{9}{14} \times 33\frac{2}{15} = 1\frac{1157}{6958}$

(v) $21\frac{9}{16} + 12\frac{14}{19} = 8\frac{251}{304}$

10. $16 \times \frac{6}{5} =$ _____

(i) $\frac{94}{5}$ (ii) 32 (iii) $\frac{98}{5}$ (iv) $\frac{96}{5}$ (v) $\frac{96}{7}$

11. $\frac{16}{1} + 8 =$ _____

(i) 21 (ii) 27 (iii) 24 (iv) 23 (v) 25

12. Reduce the fraction $\frac{105}{255}$

(i) $\frac{9}{17}$ (ii) $\frac{7}{19}$ (iii) $\frac{7}{17}$ (iv) $\frac{7}{15}$ (v) $\frac{5}{17}$

13. $\frac{89}{4} - 20 =$ _____

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

14. Find the missing value in $11\frac{13}{15} \div$ _____ $= \frac{356}{565}$

(i) $18\frac{5}{6}$ (ii) $18\frac{1}{2}$ (iii) $18\frac{5}{8}$ (iv) $19\frac{1}{4}$ (v) $19\frac{1}{6}$

15. $20 - 9\frac{1}{5} =$ _____

(i) $\frac{56}{5}$ (ii) 18 (iii) $\frac{52}{5}$ (iv) $\frac{54}{7}$ (v) $\frac{54}{5}$

16. Find the value of
$(\{\frac{13}{4} \times \frac{7}{2}\} - [15 \div 3])$

(i) $\frac{53}{8}$ (ii) $\frac{63}{10}$ (iii) $\frac{49}{8}$ (iv) $\frac{51}{8}$ (v) $\frac{13}{2}$

17. The equivalent fraction of $\frac{5}{6}$ is

(i) $\frac{24}{29}$ (ii) $\frac{26}{29}$ (iii) $\frac{24}{30}$ (iv) $\frac{25}{30}$ (v) $\frac{26}{31}$

18. Find the equivalent fraction of $\frac{20}{7}$ with numerator 120

(i) $\frac{120}{49}$ (ii) $\frac{120}{42}$ (iii) $\frac{120}{35}$ (iv) $\frac{120}{21}$ (v) $\frac{120}{28}$

19. Which of the following is a vulgar fraction?

(i) $\frac{9}{100}$ (ii) $\frac{6}{1000}$ (iii) $\frac{6}{10}$ (iv) $\frac{4}{2}$ (v) $\frac{9}{10000}$

20. $8 - \frac{11}{2} =$ _____

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

21. Find the missing value in $12\frac{4}{5} -$ _____ $= \frac{7}{15}$

(i) $12\frac{1}{5}$ (ii) $12\frac{1}{3}$ (iii) 13 (iv) $11\frac{2}{3}$

22. $2 + \frac{3}{5} =$ _____

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

23. $17 - \frac{3}{11} =$ _____

(i) $\frac{184}{11}$ (ii) $\frac{184}{13}$ (iii) $\frac{186}{11}$ (iv) $\frac{182}{11}$ (v) $\frac{184}{9}$

24. Which of the following are true?

a) $\frac{14}{13} + \frac{32}{7} = \frac{32}{7} + \frac{14}{13}$

b) $\frac{13}{6} - \frac{32}{7} = \frac{32}{7} - \frac{13}{6}$

c) $\frac{14}{13} \times \frac{131}{18} = \frac{131}{18} \times \frac{14}{13}$

d) $\frac{13}{6} \div \frac{131}{18} = \frac{131}{18} \div \frac{13}{6}$

(i) {d,c} (ii) {b,d,a} (iii) {b,a} (iv) {a,c} (v) {b,c,a}

25. $5 + 4\frac{8}{13} =$ _____

(i) $\frac{25}{3}$ (ii) $\frac{125}{11}$ (iii) $\frac{123}{13}$ (iv) $\frac{127}{13}$ (v) $\frac{125}{13}$

Assignment Key

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