EduSahara™ Assignment

Name : Fraction Concepts

Chapter : Fractions

Grade : ICSE Grade VIII

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1. The numerator in the fraction $\frac{14}{3}$ is

   (i) 3 (ii) 0 (iii) 15 (iv) 14 (v) 4

2. The denominator in the fraction $\frac{11}{2}$ is

   (i) 3 (ii) 2 (iii) 0 (iv) 12 (v) 11

3. The like fraction of $\frac{3}{4}$ is

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

4. Convert $\frac{18}{17}$ to mixed fraction

   (i) $1\frac{1}{5}$ (ii) $\frac{16}{17}$ (iii) $1\frac{1}{17}$ (iv) $1\frac{3}{17}$ (v) $\frac{18}{19}$

5. Convert $1\frac{1}{6}$ to improper fraction

   (i) $\frac{5}{6}$ (ii) $\frac{9}{8}$ (iii) $\frac{7}{6}$ (iv) $\frac{5}{4}$ (v) $\frac{3}{2}$

6. Identify the proper fraction

   (i) $\frac{5}{15}$ (ii) $\frac{20}{13}$ (iii) $\frac{19}{3}$ (iv) $9\frac{7}{13}$ (v) $7\frac{1}{2}$

7. Identify the improper fraction

   (i) $\frac{1}{2}$ (ii) $13\frac{5}{9}$ (iii) $\frac{17}{6}$ (iv) $\frac{10}{19}$ (v) $5\frac{2}{3}$

8. Identify the mixed fraction

   (i) $6\frac{12}{19}$ (ii) $\frac{20}{17}$ (iii) $\frac{16}{7}$ (iv) $\frac{1}{4}$ (v) $\frac{3}{11}$

9. The unlike fraction of $\frac{5}{11}$ is

   (i) $\frac{12}{11}$ (ii) $\frac{11}{17}$ (iii) $\frac{10}{11}$ (iv) $\frac{14}{11}$ (v) $\frac{13}{11}$

10. Which of the following pairs are like fractions?

(i) $\frac{11}{19}, \frac{19}{21}$ (ii) $\frac{2}{10}, \frac{9}{10}$ (iii) $\frac{4}{9}, \frac{3}{4}$ (iv) $\frac{1}{3}, \frac{3}{13}$ (v) $\frac{12}{14}, \frac{7}{10}$

11. Which of the following pairs are unlike fractions?

(i) $\frac{1}{7}, \frac{2}{7}$ (ii) $\frac{4}{13}, \frac{1}{13}$ (iii) $\frac{1}{2}, \frac{1}{3}$ (iv) $\frac{1}{2}, \frac{1}{2}$ (v) $\frac{6}{9}, \frac{8}{9}$

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

(i) $\frac{34}{41}$ (ii) $\frac{36}{43}$ (iii) $\frac{34}{42}$ (iv) $\frac{36}{41}$ (v) $\frac{35}{42}$

13. The reciprocal of $\frac{3}{5}$ is

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

14. $\frac{6}{7}$ of 168 is

(i) 154 (ii) 159 (iii) 144 (iv) 129 (v) 134

15. $\frac{7}{5}$ of _____ is 84

(i) 75 (ii) 70 (iii) 45 (iv) 50 (v) 60

16. The simplest form of the fraction $\frac{36}{132}$ is

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

17. Find the equivalent fraction of $\frac{8}{17}$ with numerator 64

(i) $\frac{64}{136}$ (ii) $\frac{64}{51}$ (iii) $\frac{64}{85}$ (iv) $\frac{64}{68}$ (v) $\frac{64}{102}$

18. Find the equivalent fraction of $\frac{15}{4}$ with denominator 16

(i) $\frac{90}{16}$ (ii) $\frac{45}{16}$ (iii) $\frac{105}{16}$ (iv) $\frac{60}{16}$ (v) $\frac{75}{16}$

19. Find the equivalent fraction of $\frac{13}{17}$ with numerator 117

(i) $\frac{117}{85}$ (ii) $\frac{117}{51}$ (iii) $\frac{117}{153}$ (iv) $\frac{117}{102}$ (v) $\frac{117}{68}$

20. Find the equivalent fraction of $\frac{13}{4}$ with numerator 13

(i) $\frac{13}{4}$ (ii) $\frac{52}{4}$ (iii) $\frac{78}{4}$ (iv) $\frac{65}{4}$ (v) $\frac{91}{4}$

21. Reduce the fraction $\frac{126}{294}$

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

22. Which of the following is a unit fraction?

(i) $3\frac{16}{19}$ (ii) $8\frac{6}{13}$ (iii) $\frac{7}{3}$ (iv) $\frac{14}{19}$ (v) $\frac{1}{12}$

23. Which of the following is a complex fraction?

(i) $16\frac{7}{18}$ (ii) $\frac{(\frac{5}{7})}{9}$ (iii) $2\frac{11}{16}$ (iv) $\frac{13}{3}$ (v) $\frac{14}{20}$

Assignment Key

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

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