EduSahara™ Assignment

Name : Fraction Concepts

Chapter : Fractions

Grade : ICSE Grade VIII



1. The numerator in the fraction $\frac{25}{6}$ is

   (i) 0 (ii) 26 (iii) 6 (iv) 7 (v) 25

2. The denominator in the fraction $\frac{22}{5}$ is

   (i) 23 (ii) 22 (iii) 5 (iv) 0 (v) 6

3. The like fraction of $\frac{4}{7}$ is

   (i) $\frac{1}{10}$ (ii) $\frac{1}{6}$ (iii) $\frac{1}{9}$ (iv) $\frac{1}{7}$ (v) $\frac{1}{8}$

4. Convert $\frac{17}{12}$ to mixed fraction

   (i) $1\frac{7}{10}$ (ii) $1\frac{7}{12}$ (iii) $1\frac{3}{14}$ (iv) $1\frac{1}{4}$ (v) $1\frac{5}{12}$

5. Convert $1\frac{5}{9}$ to improper fraction

   (i) $\frac{16}{9}$ (ii) $\frac{14}{9}$ (iii) $\frac{12}{7}$ (iv) $\frac{16}{11}$ (v) $\frac{4}{3}$

6. Identify the proper fraction

   (i) $13\frac{3}{7}$ (ii) $6\frac{3}{5}$ (iii) $\frac{5}{2}$ (iv) $\frac{6}{17}$ (v) $\frac{13}{11}$

7. Identify the improper fraction

   (i) $\frac{8}{15}$ (ii) $19\frac{7}{18}$ (iii) $\frac{15}{14}$ (iv) $\frac{1}{4}$ (v) $11\frac{5}{8}$

8. Identify the mixed fraction

   (i) $19\frac{7}{15}$ (ii) $\frac{2}{4}$ (iii) $\frac{11}{6}$ (iv) $\frac{19}{13}$ (v) $\frac{4}{6}$

9. The unlike fraction of $\frac{1}{2}$ is

   (i) $\frac{5}{2}$ (ii) $\frac{4}{2}$ (iii) $\frac{2}{9}$ (iv) $\frac{3}{2}$ (v) $\frac{1}{2}$

10. Which of the following pairs are like fractions?

(i) $\frac{1}{2}, \frac{2}{7}$ (ii) $\frac{5}{6}, \frac{4}{6}$ (iii) $\frac{2}{4}, \frac{2}{3}$ (iv) $\frac{6}{7}, \frac{7}{9}$ (v) $\frac{3}{12}, \frac{12}{19}$

11. Which of the following pairs are unlike fractions?

(i) $\frac{9}{10}, \frac{2}{10}$ (ii) $\frac{7}{17}, \frac{13}{17}$ (iii) $\frac{1}{19}, \frac{19}{22}$ (iv) $\frac{5}{6}, \frac{3}{6}$ (v) $\frac{3}{4}, \frac{2}{4}$

12. The equivalent fraction of $\frac{3}{5}$ is

(i) $\frac{27}{45}$ (ii) $\frac{28}{46}$ (iii) $\frac{28}{44}$ (iv) $\frac{26}{44}$ (v) $\frac{26}{45}$

13. The reciprocal of $\frac{3}{4}$ is

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

14. $\frac{1}{8}$ of 208 is

(i) 26 (ii) 36 (iii) 41 (iv) 16 (v) 11

15. $\frac{3}{4}$ of _____ is 102

(i) 146 (ii) 151 (iii) 126 (iv) 136 (v) 121

16. The simplest form of the fraction $\frac{8}{16}$ is

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

17. Find the equivalent fraction of $\frac{17}{14}$ with numerator 170

(i) $\frac{170}{84}$ (ii) $\frac{170}{56}$ (iii) $\frac{170}{140}$ (iv) $\frac{170}{42}$ (v) $\frac{170}{70}$

18. Find the equivalent fraction of $\frac{3}{19}$ with denominator 57

(i) $\frac{21}{57}$ (ii) $\frac{12}{57}$ (iii) $\frac{9}{57}$ (iv) $\frac{15}{57}$ (v) $\frac{18}{57}$

19. Find the equivalent fraction of $\frac{19}{12}$ with numerator 190

(i) $\frac{190}{120}$ (ii) $\frac{190}{60}$ (iii) $\frac{190}{36}$ (iv) $\frac{190}{72}$ (v) $\frac{190}{48}$

20. Find the equivalent fraction of $\frac{2}{17}$ with numerator 12

(i) $\frac{8}{102}$ (ii) $\frac{14}{102}$ (iii) $\frac{12}{102}$ (iv) $\frac{10}{102}$ (v) $\frac{6}{102}$

21. Reduce the fraction $\frac{10800}{12960}$

(i) $\frac{5}{4}$ (ii) $\frac{1}{2}$ (iii) $\frac{5}{8}$ (iv) $\frac{5}{6}$ (v) $\frac{7}{6}$

22. Which of the following is a unit fraction?

(i) $\frac{11}{8}$ (ii) $\frac{2}{4}$ (iii) $\frac{1}{20}$ (iv) $16\frac{5}{9}$ (v) $20\frac{1}{5}$

23. Which of the following is a complex fraction?

(i) $18\frac{2}{3}$ (ii) $\frac{(\frac{6}{8})}{2}$ (iii) $\frac{16}{13}$ (iv) $13\frac{1}{11}$ (v) $\frac{2}{16}$

## Assignment Key

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