EduSahara™ Assignment

Name : Decimal to Fraction and Vice Versa

Chapter : Decimals

Grade : ICSE Grade VIII

1. Express $\frac{7}{9}$ as a decimal correct to 2 decimal places

   (i) 0.78 (ii) 0.08 (iii) 0.58 (iv) 7.78 (v) 0.88

2. Express $\frac{3}{14}$ as a decimal correct to 2 decimal places

   (i) 0.01 (ii) 2.14 (iii) 0.21 (iv) 0.02 (v) 0.31

3. Express $\frac{27}{13}$ as a decimal correct to 2 decimal places

   (i) 2.08 (ii) 20.77 (iii) 2.18 (iv) 1.88 (v) 0.21

4. Express $\frac{95}{21}$ as a decimal correct to 2 decimal places

   (i) 4.32 (ii) 45.24 (iii) 4.62 (iv) 4.52 (v) 0.45

5. Express $\frac{7}{10}$ as a decimal correct to 1 decimal places

   (i) 0.7 (ii) 0.8 (iii) 0.1 (iv) 7 (v) 0.5

6. Express $\frac{31}{100}$ as a decimal correct to 2 decimal places

   (i) 0.31 (ii) 0.03 (iii) 3.1 (iv) 0.41 (v) 0.11

7. Express $\frac{161}{1000}$ as a decimal correct to 3 decimal places

   (i) 0.016 (ii) -0.039 (iii) 0.161 (iv) 0.261 (v) 1.61

8. Express $\frac{1937}{10000}$ as a decimal correct to 4 decimal places

   (i) 0.0194 (ii) 1.937 (iii) -0.0063 (iv) 0.1937 (v) 0.2937

9. 3.6 =

   (i) 36 (ii) 360 (iii) $\frac{9}{25}$ (iv) $\frac{9}{250}$ (v) $\frac{18}{5}$

10. 4.8 =

    (i) 48 (ii) $\frac{12}{25}$ (iii) $\frac{6}{125}$ (iv) $\frac{24}{5}$ (v) 480

11. 18.69 =

(i) $\frac{1869}{10}$ (ii) $\frac{1869}{100}$ (iii) $\frac{1869}{10000}$ (iv) $\frac{1869}{1000}$ (v) 1869

12. 3.925 =

(i) $\frac{785}{2}$ (ii) $\frac{157}{4000}$ (iii) $\frac{157}{40}$ (iv) $\frac{157}{400}$ (v) $\frac{157}{4}$

13. 4.9 =

(i) 490 (ii) 49 (iii) $\frac{49}{10}$ (iv) $\frac{49}{100}$ (v) $\frac{49}{1000}$

14. 6.11 =

(i) $\frac{611}{1000}$ (ii) 611 (iii) $\frac{611}{10}$ (iv) $\frac{611}{10000}$ (v) $\frac{611}{100}$

15. 4.62 =

(i) $\frac{231}{50}$ (ii) $\frac{231}{5000}$ (iii) 462 (iv) $\frac{231}{500}$ (v) $\frac{231}{5}$

16. 4.252 =

(i) $\frac{2126}{5}$ (ii) $\frac{1063}{25}$ (iii) $\frac{1063}{2500}$ (iv) $\frac{1063}{25000}$ (v) $\frac{1063}{250}$

17. Express $\frac{9}{7}$ as a decimal correct to 1 decimal places

(i) 1.5 (ii) 1.3 (iii) 1.4 (iv) 1.2 (v) 1.1

18. Express $\frac{9}{10}$ as a decimal correct to 2 decimal places

(i) 0.8 (ii) 0.7 (iii) 1 (iv) 0.9 (v) 1.1

19. Express $\frac{5}{3}$ as a decimal correct to 3 decimal places

(i) 1.567 (ii) 1.767 (iii) 1.867 (iv) 1.667 (v) 1.467

20. Express $\frac{3}{4}$ as a decimal correct to 4 decimal places

(i) 0.55 (ii) 0.75 (iii) 0.95 (iv) 0.85 (v) 0.65

21. Express $\frac{40}{67}$ as a decimal correct to 1 decimal places

(i) 0.5 (ii) 0.7 (iii) 0.4 (iv) 0.8 (v) 0.6

22. Express $\frac{62}{51}$ as a decimal correct to 2 decimal places

(i) 1.02 (ii) 1.22 (iii) 1.12 (iv) 1.42 (v) 1.32

23. Express $\frac{36}{77}$ as a decimal correct to 3 decimal places

(i) 0.368 (ii) 0.568 (iii) 0.468 (iv) 0.668 (v) 0.268

24. Express $\frac{20}{49}$ as a decimal correct to 4 decimal places

(i) 0.3082 (ii) 0.2082 (iii) 0.6082 (iv) 0.4082 (v) 0.5082

25. Express $\frac{178}{115}$ as a decimal correct to 3 decimal places

(i) 1.448 (ii) 1.748 (iii) 1.548 (iv) 1.648 (v) 1.348

26. Express $\frac{7283}{4889}$ as a decimal correct to 4 decimal places

(i) 1.6897 (ii) 1.2897 (iii) 1.4897 (iv) 1.3897 (v) 1.5897

27. The recurring part of the decimal $13.\overline{5}$ is

(i) 555 (ii) 55 (iii) 5 (iv) 551 (v) 13.5

28. The recurring part of the decimal 13.14814814814814... is

(i) 14811 (ii) 148148 (iii) 13.148 (iv) 148 (v) 1481148

29. Convert the non-terminating recurring decimal $17.\overline{2}$ to rational number

(i) $\frac{155}{11}$ (ii) $\frac{157}{9}$ (iii) 17 (iv) $\frac{155}{7}$ (v) $\frac{155}{9}$

30. Convert the non-terminating recurring decimal 27.25925925925925... to rational number

(i) $\frac{736}{29}$ (ii) $\frac{736}{25}$ (iii) $\frac{82}{3}$ (iv) $\frac{736}{27}$ (v) $\frac{734}{27}$

31. Convert the fraction $\frac{19}{9}$ to non-terminating recurring decimal

(i) $0.2\overline{1}$ (ii) $0.02\overline{1}$ (iii) $211.\overline{1}$ (iv) $21.\overline{1}$ (v) $2.\overline{1}$

32. Convert the fraction $\frac{82}{9}$ to non-terminating recurring decimal

(i) $911.\overline{1}$ (ii) $9.\overline{1}$ (iii) $91.\overline{1}$ (iv) $0.09\overline{1}$ (v) $0.9\overline{1}$

33. Which of the following fractions converts to a non-terminating recurring decimal?

(i) $\frac{4590}{64}$ (ii) $\frac{5760}{128}$ (iii) $\frac{90}{1}$ (iv) $\frac{46}{1}$ (v) $\frac{100}{9}$

34. Which of the following fractions converts to a terminating decimal?

(i) $\frac{5130}{64}$ (ii) $\frac{41}{18}$ (iii) $\frac{41}{36}$ (iv) $\frac{1}{3}$ (v) $\frac{164}{9}$

35. Which of the following is a pure recurring decimal?

(i) 22.61111111111111... (ii) 16.72222222222222... (iii) 27.77777777777777... (iv) 8.27777777777777...

(v) 12.05555555555555...

36. Which of the following is a mixed recurring decimal?

(i) 23.44444444444444... (ii) 6.59259259259259... (iii) 28.88888888888888... (iv) 6.88888888888888...

(v) 14.61111111111111...

Assignment Key

1) (i)	2) (iii)	3) (i)	4) (iv)	5) (i)	6) (i)
7) (iii)	8) (iv)	9) (v)	10) (iv)	11) (ii)	12) (iii)
13) (iii)	14) (v)	15) (i)	16) (v)	17) (ii)	18) (iv)
19) (iv)	20) (ii)	21) (v)	22) (ii)	23) (iii)	24) (iv)
25) (iii)	26) (iii)	27) (iii)	28) (iv)	29) (v)	30) (iv)
31) (v)	32) (ii)	33) (v)	34) (i)	35) (iii)	36) (v)