

EduSahara™ Learning Center Assignment**Grade : Class VIII, ICSE****Chapter : Decimals****Name : Decimal to Fraction and Vice Versa****Licensed To : Teachers and Students for non-commercial use**

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

(i) 4.7 (ii) 4.3 (iii) 4.6 (iv) 4.4 (v) 4.5

2. Express $\frac{1}{18}$ as a decimal correct to 2 decimal places

(i) -0.14 (ii) 0.26 (iii) 0.06 (iv) 0.16 (v) -0.04

3. Express $\frac{4}{35}$ as a decimal correct to 2 decimal places

(i) 0.01 (ii) 0.21 (iii) 0.11 (iv) -0.09 (v) 0.31

4. Express $\frac{4}{91}$ as a decimal correct to 2 decimal places

(i) -0.16 (ii) -0.06 (iii) 0.14 (iv) 0.24 (v) 0.04

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

(i) 0.8 (ii) 0.6 (iii) 0.5 (iv) 0.9 (v) 0.7

6. Express $\frac{71}{100}$ as a decimal correct to 2 decimal places

(i) 0.71 (ii) 0.91 (iii) 0.61 (iv) 0.51 (v) 0.81

7. Express $\frac{409}{1000}$ as a decimal correct to 3 decimal places

(i) 0.509 (ii) 0.309 (iii) 0.209 (iv) 0.409 (v) 0.609

8. Express $\frac{5103}{10000}$ as a decimal correct to 4 decimal places

(i) 0.7103 (ii) 0.6103 (iii) 0.3103 (iv) 0.5103 (v) 0.4103

9. 4.9 =

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

10. 5.3 =

- (i) 53 (ii) $\frac{53}{10}$ (iii) $\frac{53}{100}$ (iv) $\frac{53}{1000}$ (v) 530
-

11. 6.85 =

- (i) $\frac{137}{2000}$ (ii) $\frac{137}{200}$ (iii) 685 (iv) $\frac{137}{2}$ (v) $\frac{137}{20}$
-

12. 2.532 =

- (i) $\frac{633}{2500}$ (ii) $\frac{633}{250}$ (iii) $\frac{633}{25000}$ (iv) $\frac{1266}{5}$ (v) $\frac{633}{25}$
-

13. 3.8 =

- (i) $\frac{19}{500}$ (ii) 38 (iii) $\frac{19}{5}$ (iv) $\frac{19}{50}$ (v) 380
-

14. 6.17 =

- (i) $\frac{617}{1000}$ (ii) $\frac{617}{10000}$ (iii) $\frac{617}{10}$ (iv) 617 (v) $\frac{617}{100}$
-

15. 18.45 =

- (i) $\frac{369}{200}$ (ii) $\frac{369}{20}$ (iii) $\frac{369}{2}$ (iv) $\frac{369}{2000}$ (v) 1845
-

16. 1.280 =

- (i) $\frac{64}{5}$ (ii) 128 (iii) $\frac{32}{25}$ (iv) $\frac{16}{125}$ (v) $\frac{8}{625}$
-

17. Express $\frac{5}{4}$ as a decimal correct to 1 decimal places

- (i) 1.2 (ii) 1.1 (iii) 1.4
-

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

- (i) 0.58 (ii) 0.88 (iii) 0.98 (iv) 0.78 (v) 0.68
-

19. Express $\frac{1}{2}$ as a decimal correct to 3 decimal places

- (i) 0.4 (ii) 0.7 (iii) 0.5 (iv) 0.3 (v) 0.6
-

20. Express $\frac{5}{9}$ as a decimal correct to 4 decimal places

(i) 0.3556 (ii) 0.5556 (iii) 0.4556 (iv) 0.7556 (v) 0.6556

21. Express $\frac{49}{22}$ as a decimal correct to 1 decimal places

(i) 2.4 (ii) 2 (iii) 2.3 (iv) 2.2 (v) 2.1

22. Express $\frac{71}{56}$ as a decimal correct to 2 decimal places

(i) 1.07 (ii) 1.37 (iii) 1.17 (iv) 1.27 (v) 1.47

23. Express $\frac{53}{57}$ as a decimal correct to 3 decimal places

(i) 0.83 (ii) 0.73 (iii) 1.03 (iv) 1.13 (v) 0.93

24. Express $\frac{49}{96}$ as a decimal correct to 4 decimal places

(i) 0.6104 (ii) 0.7104 (iii) 0.5104 (iv) 0.4104 (v) 0.3104

25. Express $\frac{713}{657}$ as a decimal correct to 3 decimal places

(i) 1.185 (ii) 1.085 (iii) 1.285 (iv) 0.885 (v) 0.985

26. Express $\frac{6491}{5952}$ as a decimal correct to 4 decimal places

(i) 1.2906 (ii) 0.8906 (iii) 1.0906 (iv) 1.1906 (v) 0.9906

27. The recurring part of the decimal $20.\overline{619047}$ is

(i) 61904762 (ii) 619047 (iii) 20.619047
(iv) 619047619047 (v) 6190476619047

28. The recurring part of the decimal $16.95238095238095\dots$ is

(i) 952380952380 (ii) 95238091 (iii) 9523809952380
(iv) 16.952380 (v) 952380

29. Convert the non-terminating recurring decimal $2.0\overline{5}$ to rational number

(i) $\frac{37}{16}$ (ii) $\frac{13}{6}$ (iii) $\frac{35}{18}$ (iv) $\frac{37}{18}$ (v) $\frac{37}{20}$

30. Convert the non-terminating recurring decimal 24.888888888888... to rational number

(i) $\frac{224}{9}$ (ii) $\frac{74}{3}$ (iii) 32 (iv) $\frac{226}{9}$ (v) $\frac{224}{11}$

31. Convert the fraction $\frac{263}{9}$ to non-terminating recurring decimal

(i) $292.\overline{2}$ (ii) $2.9\overline{2}$ (iii) $29.\overline{2}$ (iv) $0.\overline{2}$ (v) $2922.\overline{2}$

32. Convert the fraction $\frac{146}{21}$ to non-terminating recurring decimal

(i) $69.\overline{523809}$ (ii) $6.\overline{952380}$ (iii) $0.0695238\overline{0952381}$ (iv) $695.\overline{238095}$ (v) $0.6\overline{95238}$

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

(i) $\frac{199}{18}$ (ii) $\frac{2420}{40}$ (iii) $\frac{121}{1}$ (iv) $\frac{123}{2}$ (v) $\frac{6400}{80}$

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

(i) $\frac{133}{9}$ (ii) $\frac{266}{135}$ (iii) $\frac{3344}{16}$ (iv) $\frac{133}{108}$ (v) $\frac{139}{9}$

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

(i) 0.877777777777...
(ii) 0.988888888888...
(iii) 0.544444444444...
(iv) 26.888888888888...
(v) 0.588888888888...

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

(i) 3.185185185185...
(ii) 0.211111111111...
(iii) 5.444444444444...
(iv) 29.47619047619047...
(v) 0.333333333333...

Assignment Key

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