



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

- (i) 1.6 (ii) 1.3 (iii) 1.5 (iv) 15 (v) 0.15

2. Express $\frac{16}{13}$ as a decimal correct to 2 decimal places

- (i) 1.33 (ii) 1.23 (iii) 0.12 (iv) 1.03 (v) 12.31

3. Express $\frac{31}{5}$ as a decimal correct to 2 decimal places

- (i) 6.3 (ii) 62 (iii) 0.62 (iv) 6 (v) 6.2

4. Express $\frac{29}{84}$ as a decimal correct to 2 decimal places

- (i) 3.45 (ii) 0.35 (iii) 0.03 (iv) 0.45 (v) 0.15

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

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

6. Express $\frac{83}{100}$ as a decimal correct to 2 decimal places

- (i) 8.3 (ii) 0.63 (iii) 0.83 (iv) 0.08 (v) 0.93

7. Express $\frac{919}{1000}$ as a decimal correct to 3 decimal places

- (i) 0.092 (ii) 1.019 (iii) 0.919 (iv) 0.719 (v) 9.19

8. Express $\frac{1913}{10000}$ as a decimal correct to 4 decimal places

- (i) 0.2913 (ii) 0.1913 (iii) 0.0191 (iv) -0.0087 (v) 1.913

9. $1.8 =$

- (i) 18 (ii) $\frac{9}{5}$ (iii) $\frac{9}{50}$ (iv) 180 (v) $\frac{9}{500}$

10. $8.6 =$

- (i) $\frac{43}{50}$ (ii) $\frac{43}{500}$ (iii) $\frac{43}{5}$ (iv) 860 (v) 86

11. $3.80 =$

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

12. $4.834 =$

- (i) $\frac{2417}{50000}$ (ii) $\frac{2417}{5}$ (iii) $\frac{2417}{500}$ (iv) $\frac{2417}{50}$ (v) $\frac{2417}{5000}$

13. $2.3 =$

- (i) $\frac{23}{1000}$ (ii) $\frac{23}{10}$ (iii) 23 (iv) 230 (v) $\frac{23}{100}$

14. $8.19 =$

- (i) $\frac{819}{1000}$ (ii) 819 (iii) $\frac{819}{100}$ (iv) $\frac{819}{10000}$ (v) $\frac{819}{10}$

15. $18.62 =$

- (i) $\frac{931}{500}$ (ii) $\frac{931}{5000}$ (iii) 1862 (iv) $\frac{931}{5}$ (v) $\frac{931}{50}$

16. $1.879 =$

- (i) $\frac{1879}{100000}$ (ii) $\frac{1879}{1000}$ (iii) $\frac{1879}{10000}$ (iv) $\frac{1879}{100}$ (v) $\frac{1879}{10}$

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

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

18. Express $\frac{6}{7}$ as a decimal correct to 2 decimal places

- (i) 1.06 (ii) 0.86 (iii) 0.66 (iv) 0.76 (v) 0.96

19. Express $\frac{1}{5}$ as a decimal correct to 3 decimal places

- (i) 0.3 (ii) 0.2 (iii) 0.1 (iv) 0 (v) 0.4

20. Express $\frac{4}{7}$ as a decimal correct to 4 decimal places

- (i) 0.7714 (ii) 0.5714 (iii) 0.3714 (iv) 0.6714 (v) 0.4714

21. Express $\frac{71}{66}$ as a decimal correct to 1 decimal places

- (i) 1.1 (ii) 1.3 (iii) 1 (iv) 0.9 (v) 1.2

22. Express $\frac{85}{13}$ as a decimal correct to 2 decimal places

- (i) 6.54 (ii) 6.44 (iii) 6.34 (iv) 6.74 (v) 6.64

23. Express $\frac{31}{57}$ as a decimal correct to 3 decimal places

- (i) 0.644 (ii) 0.544 (iii) 0.444 (iv) 0.744 (v) 0.344

24. Express $\frac{74}{25}$ as a decimal correct to 4 decimal places

- (i) 2.76 (ii) 3.16 (iii) 2.96 (iv) 3.06 (v) 2.86

25. Express $\frac{943}{653}$ as a decimal correct to 3 decimal places

- (i) 1.644 (ii) 1.544 (iii) 1.244 (iv) 1.444 (v) 1.344

26. Express $\frac{3307}{8062}$ as a decimal correct to 4 decimal places

- (i) 0.4102 (ii) 0.2102 (iii) 0.6102 (iv) 0.3102 (v) 0.5102

27. The recurring part of the decimal $0.\overline{3}$ is

- (i) 0.3 (ii) 3 (iii) 33 (iv) 333 (v) 330

28. The recurring part of the decimal $10.80952380952381\dots$ is

- (i) 809523 (ii) 809523809523 (iii) 10.809523 (iv) 80952381 (v) 8095238809523

29. Convert the non-terminating recurring decimal $24.\overline{5}$ to rational number

- (i) $\frac{221}{7}$ (ii) $\frac{221}{9}$ (iii) $\frac{221}{11}$ (iv) $\frac{223}{9}$ (v) $\frac{73}{3}$

30. Convert the non-terminating recurring decimal $11.222222222222\dots$ to rational number

- (i) $\frac{103}{9}$ (ii) $\frac{101}{7}$ (iii) $\frac{101}{9}$ (iv) 11 (v) $\frac{101}{11}$

31. Convert the fraction $\frac{50}{9}$ to non-terminating recurring decimal

- (i) $0.0\overline{5}$ (ii) $555.\overline{5}$ (iii) $0.\overline{5}$ (iv) $5.\overline{5}$ (v) $55.\overline{5}$

32. Convert the fraction $\frac{253}{18}$ to non-terminating recurring decimal

- (i) $140.\overline{5}$ (ii) $0.140\overline{5}$ (iii) $14.0\overline{5}$ (iv) $1405.\overline{5}$ (v) $1.40\overline{5}$

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

- (i) $\frac{3456}{16}$ (ii) $\frac{432}{1}$ (iii) $\frac{217}{1}$ (iv) $\frac{1430}{32}$ (v) $\frac{1}{3}$

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

- (i) $\frac{323}{18}$ (ii) $\frac{2}{57}$ (iii) $\frac{1}{3}$ (iv) $\frac{2520}{200}$ (v) $\frac{1}{30}$

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

- (i) 0.4333333333333... (ii) 18.3888888888888... (iii) 16.94444444444444... (iv) 20.27777777777777...
(v) 23.77777777777777...

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

- (i) 14.25925925925925... (ii) 22.55555555555555... (iii) 0.433333333333... (iv) 5.88888888888888...
(v) 10.09523809523809...

Assignment Key

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