



1. Express $\frac{10}{9}$ as a decimal correct to 1 decimal places

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

2. Express $\frac{5}{4}$ as a decimal correct to 2 decimal places

- (i) 1.05 (ii) 1.35 (iii) 1.15 (iv) 1.25 (v) 1.45

3. Express $\frac{8}{9}$ as a decimal correct to 3 decimal places

- (i) 1.089 (ii) 0.789 (iii) 0.989 (iv) 0.689 (v) 0.889

4. Express $\frac{71}{10}$ as a decimal correct to 1 decimal places

- (i) 7.1 (ii) 7 (iii) 7.2 (iv) 7.3 (v) 6.9

5. Express $\frac{673}{375}$ as a decimal correct to 3 decimal places

- (i) 1.995 (ii) 1.595 (iii) 1.795 (iv) 1.695 (v) 1.895

6. Express $\frac{9333}{214}$ as a decimal correct to 4 decimal places

- (i) 43.8121 (ii) 43.5121 (iii) 43.6121 (iv) 43.4121 (v) 43.7121

7. Find the period of the recurring decimal $1.\overline{380952}$

- (i) 6 (ii) 38095 (iii) 380952 (iv) 3809520 (v) 7

8. Find the period of the recurring decimal $18.0\overline{7407407407}...$

- (i) 074 (ii) 4 (iii) 3 (iv) 740 (v) 7

9. Find the periodicity of the recurring decimal $26.2\overline{7}$

- (i) 0 (ii) -1 (iii) 1 (iv) 2 (v) 7

10. Find the periodicity of the recurring decimal $3.5555555555555555...$

- (i) 0 (ii) -1 (iii) 5 (iv) 1 (v) 2

11. The recurring part of the decimal $12.6\overline{1}$ is

- (i) 161 (ii) 12.61 (iii) 1 (iv) 11 (v) 111

12. The recurring part of the decimal $11.7777777777777777...$ is

- (i) 777 (ii) 771 (iii) 7 (iv) 77 (v) 11.7

13. Convert the non-terminating recurring decimal 26. $\overline{5}$ to rational number

- (i) $\frac{79}{3}$ (ii) $\frac{239}{9}$ (iii) $\frac{239}{7}$ (iv) $\frac{239}{11}$ (v) $\frac{241}{9}$

14. Convert the non-terminating recurring decimal 11.444444444444... to rational number

- (i) $\frac{35}{3}$ (ii) $\frac{103}{9}$ (iii) $\frac{101}{9}$ (iv) $\frac{103}{7}$ (v) $\frac{103}{11}$

15. Convert the fraction $\frac{1}{3}$ to non-terminating recurring decimal

- (i) 0. $\overline{0}$ (ii) 0.0 $\overline{3}$ (iii) 0. $\overline{3}$ (iv) 33. $\overline{3}$ (v) 3. $\overline{3}$

16. Convert the fraction $\frac{80}{21}$ to non-terminating recurring decimal

- (i) 380.952380 (ii) 38.095238 (iii) 0. $\overline{380952}$ (iv) 0.0 $\overline{380952}$ (v) 3.809523

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

- (i) $\frac{1848}{64}$ (ii) $\frac{4400}{80}$ (iii) $\frac{110}{1}$ (iv) $\frac{56}{1}$ (v) $\frac{175}{9}$

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

- (i) $\frac{190}{99}$ (ii) $\frac{245}{18}$ (iii) $\frac{2210}{160}$ (iv) $\frac{95}{144}$ (v) $\frac{95}{9}$

19. Which of the following is an irrational number?

- (i) 20 (ii) 15.1852 (iii) $\sqrt[3]{43}$ (iv) 6 (v) $\frac{7}{19}$

20. Which of the following is a rational number?

- (i) $\sqrt[3]{79}$ (ii) $\sqrt{15}$ (iii) $\sqrt[3]{99}$ (iv) $\sqrt{72}$ (v) $\frac{8}{9}$

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

- (i) 2.3 (ii) 2.6 (iii) 0.25 (iv) 2.5 (v) 25

22. Express $\frac{19}{16}$ as a decimal correct to 2 decimal places

- (i) 1.19 (ii) 1.29 (iii) 0.99 (iv) 11.88 (v) 0.12

23. Express $\frac{37}{8}$ as a decimal correct to 2 decimal places

- (i) 0.46 (ii) 4.72 (iii) 4.62 (iv) 4.42 (v) 46.25

24. Express $\frac{44}{93}$ as a decimal correct to 2 decimal places

- (i) 0.05 (ii) 0.47 (iii) 4.73 (iv) 0.27 (v) 0.57

25. Express $\frac{3}{10}$ as a decimal correct to 1 decimal places

- (i) 0.1 (ii) 0.4 (iii) 3 (iv) 0.3 (v) 0

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

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

27. Express $\frac{157}{1000}$ as a decimal correct to 3 decimal places

- (i) -0.043 (ii) 1.57 (iii) 0.257 (iv) 0.157 (v) 0.016

28. Express $\frac{9851}{10000}$ as a decimal correct to 4 decimal places

- (i) 0.9851 (ii) 1.0851 (iii) 0.0985 (iv) 9.851 (v) 0.7851

29. $4.5 =$

- (i) 45 (ii) $\frac{9}{200}$ (iii) $\frac{9}{2}$ (iv) 450 (v) $\frac{9}{20}$

30. $9.5 =$

- (i) 950 (ii) 95 (iii) $\frac{19}{200}$ (iv) $\frac{19}{2}$ (v) $\frac{19}{20}$

31. $5.47 =$

- (i) $\frac{547}{10000}$ (ii) $\frac{547}{100}$ (iii) 547 (iv) $\frac{547}{1000}$ (v) $\frac{547}{10}$

32. $1.403 =$

- (i) $\frac{1403}{10000}$ (ii) $\frac{1403}{1000}$ (iii) $\frac{1403}{10}$ (iv) $\frac{1403}{100}$ (v) $\frac{1403}{100000}$

33. $3.3 =$

- (i) $\frac{33}{100}$ (ii) $\frac{33}{10}$ (iii) $\frac{33}{1000}$ (iv) 330 (v) 33

34. $9.20 =$

- (i) $\frac{23}{25}$ (ii) $\frac{46}{5}$ (iii) $\frac{23}{250}$ (iv) 92 (v) 920

35. $15.72 =$

- (i) $\frac{393}{2500}$ (ii) $\frac{393}{250}$ (iii) $\frac{393}{25}$ (iv) $\frac{786}{5}$ (v) 1572

36. $10.662 =$

- (i) $\frac{5331}{50000}$ (ii) $\frac{5331}{5000}$ (iii) $\frac{5331}{5}$ (iv) $\frac{5331}{500}$ (v) $\frac{5331}{50}$

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

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

38. Express $\frac{73}{66}$ as a decimal correct to 2 decimal places

- (i) 1.31 (ii) 1.21 (iii) 0.91 (iv) 1.11 (v) 1.01

39. Express $\frac{65}{37}$ as a decimal correct to 3 decimal places

- (i) 1.957 (ii) 1.557 (iii) 1.857 (iv) 1.657 (v) 1.757

40. Express $\frac{26}{41}$ as a decimal correct to 4 decimal places

- (i) 0.7341 (ii) 0.4341 (iii) 0.6341 (iv) 0.5341 (v) 0.8341

Assignment Key

1) (ii)	2) (iv)	3) (v)	4) (i)	5) (iii)	6) (iii)
7) (iii)	8) (i)	9) (iii)	10) (iv)	11) (iii)	12) (iii)
13) (ii)	14) (ii)	15) (iii)	16) (v)	17) (v)	18) (iii)
19) (iii)	20) (v)	21) (iv)	22) (i)	23) (iii)	24) (ii)
25) (iv)	26) (i)	27) (iv)	28) (i)	29) (iii)	30) (iv)
31) (ii)	32) (ii)	33) (ii)	34) (ii)	35) (iii)	36) (iv)
37) (iv)	38) (iv)	39) (v)	40) (iii)		

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