



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

- (i) 0.9 (ii) 1 (iii) 0.7 (iv) 0.1 (v) 9

2. Express  $\frac{87}{100}$  as a decimal correct to 2 decimal places

- (i) 0.67 (ii) 0.87 (iii) 8.7 (iv) 0.97 (v) 0.09

3. Express  $\frac{293}{1000}$  as a decimal correct to 3 decimal places

- (i) 0.093 (ii) 0.293 (iii) 2.93 (iv) 0.393 (v) 0.029

4. Express  $\frac{7033}{10000}$  as a decimal correct to 4 decimal places

- (i) 0.7033 (ii) 0.8033 (iii) 7.033 (iv) 0.0703 (v) 0.5033

5.  $3.7 =$

- (i) 370 (ii)  $\frac{37}{1000}$  (iii)  $\frac{37}{10}$  (iv) 37 (v)  $\frac{37}{100}$

6.  $8.0 =$

- (i)  $\frac{4}{5}$  (ii) 800 (iii)  $\frac{2}{25}$  (iv)  $\frac{8}{1}$  (v) 80

7.  $18.73 =$

- (i)  $\frac{1873}{1000}$  (ii)  $\frac{1873}{10}$  (iii)  $\frac{1873}{100}$  (iv) 1873 (v)  $\frac{1873}{10000}$

8.  $4.895 =$

- (i)  $\frac{979}{20000}$  (ii)  $\frac{979}{200}$  (iii)  $\frac{979}{20}$  (iv)  $\frac{979}{2000}$  (v)  $\frac{979}{2}$

9.  $2.6 =$

- (i)  $\frac{13}{500}$  (ii) 26 (iii)  $\frac{13}{50}$  (iv)  $\frac{13}{5}$  (v) 260

10.  $4.19 =$

- (i)  $\frac{419}{10}$  (ii)  $\frac{419}{10000}$  (iii)  $\frac{419}{100}$  (iv) 419 (v)  $\frac{419}{1000}$

11. 10.69 =

- (i)  $\frac{1069}{10000}$  (ii)  $\frac{1069}{100}$  (iii)  $\frac{1069}{1000}$  (iv)  $\frac{1069}{10}$  (v) 1069

12. 10.935 =

- (i)  $\frac{2187}{20}$  (ii)  $\frac{2187}{2}$  (iii)  $\frac{2187}{20000}$  (iv)  $\frac{2187}{200}$  (v)  $\frac{2187}{2000}$

13. The recurring part of the decimal  $22.\bar{1}$  is

- (i) 22.1 (ii) 112 (iii) 11 (iv) 111 (v) 1

14. The recurring part of the decimal  $0.3333333333333333\dots$  is

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

15. Convert the non-terminating recurring decimal  $5.\bar{5}$  to rational number

- (i)  $\frac{50}{11}$  (ii)  $\frac{50}{9}$  (iii)  $\frac{16}{3}$  (iv)  $\frac{50}{7}$  (v)  $\frac{52}{9}$

16. Convert the non-terminating recurring decimal  $0.3333333333333333\dots$  to rational number

- (i)  $\frac{1}{5}$  (ii)  $(-\frac{1}{3})$  (iii) 1 (iv)  $\frac{1}{3}$

17. Convert the fraction  $\frac{100}{9}$  to non-terminating recurring decimal

- (i)  $0.\bar{1}$  (ii)  $111.\bar{1}$  (iii)  $1.\bar{1}$  (iv)  $11.\bar{1}$  (v)  $1111.\bar{1}$

18. Convert the fraction  $\frac{205}{9}$  to non-terminating recurring decimal

- (i)  $227.\bar{7}$  (ii)  $22.\bar{7}$  (iii)  $2277.\bar{7}$  (iv)  $0.\bar{2}$  (v)  $2.2\bar{7}$

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

- (i)  $\frac{2016}{128}$  (ii)  $\frac{95}{2}$  (iii)  $\frac{3800}{160}$  (iv)  $\frac{99}{4}$  (v)  $\frac{179}{9}$

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

- (i)  $\frac{341}{18}$  (ii)  $\frac{217}{144}$  (iii)  $\frac{3640}{512}$  (iv)  $\frac{217}{18}$  (v)  $\frac{217}{234}$

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

- (i) 15.76190476190476... (ii) 30.72222222222222... (iii) 19.72222222222222...  
(iv) 17.61111111111111... (v) 11.05555555555555...

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

- (i) 20.88888888888888... (ii) 10.77777777777777... (iii) 2.72222222222222... (iv) 0.33333333333333...  
(v) 17.55555555555555...

23. Express  $\frac{1}{8}$  as a decimal correct to 2 decimal places

- (i) -0.08 (ii) 0.01 (iii) 0.12 (iv) 1.25 (v) 0.23

24. Express  $\frac{6}{5}$  as a decimal correct to 2 decimal places

- (i) 1 (ii) 0.12 (iii) 1.2 (iv) 12 (v) 1.3

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

- (i) 0.3 (ii) 0.6 (iii) 0.5 (iv) 5 (v) 0.05

26. Express  $\frac{74}{21}$  as a decimal correct to 2 decimal places

- (i) 3.32 (ii) 35.24 (iii) 3.62 (iv) 3.52 (v) 0.35

27. Express  $\frac{4}{9}$  as a decimal correct to 1 decimal places

- (i) 0.4 (ii) 0.6 (iii) 0.3 (iv) 0.5 (v) 0.2

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

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

29. Express  $\frac{7}{9}$  as a decimal correct to 3 decimal places

- (i) 0.578 (ii) 0.978 (iii) 0.878 (iv) 0.778 (v) 0.678

30. Express  $\frac{6}{7}$  as a decimal correct to 4 decimal places

- (i) 0.8571 (ii) 1.0571 (iii) 0.7571 (iv) 0.9571 (v) 0.6571

31. Express  $\frac{31}{87}$  as a decimal correct to 1 decimal places

- (i) 0.3 (ii) 0.2 (iii) 0.6 (iv) 0.5 (v) 0.4

32. Express  $\frac{47}{77}$  as a decimal correct to 2 decimal places

- (i) 0.41 (ii) 0.81 (iii) 0.61 (iv) 0.71 (v) 0.51

33. Express  $\frac{81}{70}$  as a decimal correct to 3 decimal places

- (i) 1.057 (ii) 1.157 (iii) 1.257 (iv) 1.357 (v) 0.957

34. Express  $\frac{76}{25}$  as a decimal correct to 4 decimal places

- (i) 3.14 (ii) 2.94 (iii) 3.24 (iv) 2.84 (v) 3.04

35. Express  $\frac{73}{344}$  as a decimal correct to 3 decimal places

- (i) 0.212 (ii) 0.312 (iii) 0.412 (iv) 0.012 (v) 0.112

36. Express  $\frac{4667}{7546}$  as a decimal correct to 4 decimal places

- (i) 0.4185 (ii) 0.8185 (iii) 0.6185 (iv) 0.7185 (v) 0.5185

## Assignment Key

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