

Recurring Decimals to Fractions *fluency*

ANSWERS



Write as a fraction in its simplest form

1 $0.\dot{3}$ $\frac{1}{3}$

2 $0.\dot{7}$ $\frac{7}{9}$

3 $0.\dot{1}$ $\frac{1}{9}$

4 $0.\dot{5}$ $\frac{5}{9}$

5 $0.\dot{4}$ $\frac{4}{9}$

6 $0.\dot{8}$ $\frac{8}{9}$



Write as a fraction in its simplest form

7 $0.\dot{2}\dot{7}$ $\frac{3}{11}$

8 $0.\dot{4}\dot{5}$ $\frac{5}{11}$

9 $0.\dot{8}\dot{1}$ $\frac{9}{11}$

10 $0.\dot{1}\dot{8}$ $\frac{2}{11}$

11 $0.\dot{6}\dot{3}$ $\frac{7}{11}$

12 $0.\dot{0}\dot{9}$ $\frac{1}{11}$



Write as a fraction in its simplest form

13 $0.1\dot{6}$ $\frac{1}{6}$

14 $0.8\dot{3}$ $\frac{5}{6}$

15 $0.4\dot{1}$ $\frac{37}{90}$

16 $0.2\dot{5}$ $\frac{23}{90}$

17 $0.3\dot{8}$ $\frac{7}{18}$

18 $0.0\dot{5}$ $\frac{1}{18}$



Write as a fraction in its simplest form

19 $0.\dot{2}7\dot{0}$ $\frac{10}{37}$

20 $0.\dot{3}5\dot{1}$ $\frac{13}{37}$

21 $0.\dot{1}0\dot{8}$ $\frac{4}{37}$

22 $0.1\dot{2}\dot{3}$ $\frac{61}{495}$

23 $0.3\dot{1}\dot{8}$ $\frac{7}{22}$

24 $0.\dot{2}4\dot{6}$ $\frac{82}{333}$



Write as a fraction in its simplest form

25 $1.\dot{3}$ $\frac{4}{3}$

26 $2.\dot{4}\dot{5}$ $\frac{27}{11}$

27 $1.1\dot{6}$ $\frac{7}{6}$

28 $3.\dot{1}4285\dot{7}$ $\frac{22}{7}$

29 $0.00\dot{3}$ $\frac{1}{300}$

30 $1.0\dot{4}\dot{5}$ $\frac{23}{22}$