

Use a calculator when you need to.

1. a) Write each fraction as a decimal.

i) $\frac{2}{3}$

ii) $\frac{3}{4}$

iii) $\frac{4}{5}$

iv) $\frac{5}{6}$

v) $\frac{6}{7}$

3. a) Write each fraction as a decimal.

i) $\frac{1}{27}$

ii) $\frac{2}{27}$

iii) $\frac{3}{27}$

6. Write each fraction as a decimal.

a) $\frac{4}{7}$

b) $\frac{4}{9}$

c) $\frac{6}{11}$

d) $\frac{7}{13}$

9. a) Write each fraction as a decimal.

i) $\frac{1}{999}$

ii) $\frac{2}{999}$

iii) $\frac{54}{999}$

iv) $\frac{113}{999}$

b) Describe the pattern in your answers to part a.

c) Use your pattern to predict the fraction form of each decimal.

i) $0.\overline{004}$

ii) $0.\overline{089}$

iii) $0.\overline{201}$

iv) $0.\overline{326}$

10. Match each set of decimals and fractions.

a) $\frac{1}{3}, \frac{2}{3}, \frac{3}{3}, \frac{4}{3}, \frac{5}{3}$

b) $\frac{1}{8}, \frac{2}{8}, \frac{3}{8}, \frac{4}{8}, \frac{5}{8}$

c) $\frac{1}{5}, \frac{2}{5}, \frac{3}{5}, \frac{4}{5}, \frac{5}{5}$

d) $\frac{1}{6}, \frac{2}{6}, \frac{3}{6}, \frac{4}{6}, \frac{5}{6}$

i) $0.125, 0.25, 0.375, 0.5, 0.625$

ii) $0.\overline{16}, 0.\overline{3}, 0.5, 0.\overline{6}, 0.8\overline{3}$

iii) $0.\overline{3}, 0.\overline{6}, 1.0, 1.\overline{3}, 1.\overline{6}$

iv) $0.2, 0.4, 0.6, 0.8, 1.0$