

# Challenge



CHALLENGE

- 6 a) Use short division to find the decimal equivalents of these fractions.

$$\frac{1}{9} = 1 \div 9$$

$$\begin{array}{r} 0. \\ 9 \overline{) 1.0} \end{array}$$

$$\frac{2}{9} = 2 \div 9$$

$$\begin{array}{r} 0. \\ 9 \overline{) 2.0} \end{array}$$

$$\frac{3}{9} = \boxed{\phantom{00}} \div \boxed{\phantom{00}}$$

$$\frac{4}{9} = \boxed{\phantom{00}} \div \boxed{\phantom{00}}$$



- b) Without working them out, predict the missing decimal equivalents to three dp.

$$\frac{5}{9} = 0.\boxed{\phantom{000}}$$

$$\frac{9}{9} = \boxed{\phantom{000}}$$

$$\frac{6}{9} = 0.\boxed{\phantom{000}}$$

$$\frac{10}{9} = \boxed{\phantom{000}}$$

$$\frac{7}{9} = 0.\boxed{\phantom{000}}$$

$$\frac{11}{9} = \boxed{\phantom{000}}$$

$$\frac{8}{9} = \boxed{\phantom{000}}$$

$$\frac{19}{9} = \boxed{\phantom{000}}$$