

➤ Notes for parents. Activity next page.

The purpose of this task is to help your child:

- to learn to convert fractions to decimals, with the help of a calculator

Think about this:

- Sometimes fractions are equal to one. For example $\frac{3}{3}$ (three thirds), $\frac{4}{4}$ (four quarters), $\frac{5}{5}$ (five fifths), are all equal to $\frac{1}{1}$ which is 1 (one whole).
- $\frac{3}{4}$ is the same as 3 divided by 4. They can work out its decimal equivalent by putting $3 \div 4 =$ into their calculator.
- As they work with their calculator to find the decimal, they might have to do some trial and error.
- They'll probably want to talk about this with someone in your family (rather than with a classmate).



Friendly Fractions

You need a calculator

Activity

Clare wanted to change the fraction $\frac{1}{2}$ into a decimal.
So she keyed in:



1. What is $\frac{1}{2}$ as a decimal?
2. Key in $\boxed{3} \div \boxed{4} =$ to find what $\frac{3}{4}$ is as a decimal. What did you get?
3. Here are some decimal displays. Each decimal was the result of keying in $\boxed{} \div \boxed{} =$, using the numbers from 1 to 10. What keys are pressed to get each display?

a.	b.
c.	d.
e.	f.
g.	h.
i.	j.

4. a. What pattern do you notice about fractions such as $\frac{3}{3}$, $\frac{5}{5}$, $\frac{8}{8}$, $\frac{123}{123}$, and $\frac{24}{24}$?
b. Explain why the pattern works.