# **Fractions and decimal equivalents**

## **Prior learning**

- Can count up and down in tenths and hundredths.
- Can write tenths and hundredths in fraction form.

#### Learn

• Recap children's basic knowledge of fractions, comparing halves with quarters and so on, and considering how these represent less than one whole. Move

on to reviewing our number system and discussing the place value of 100s, 10s and 1s, and then introducing tenths and hundredths. Refer to the placevalue table on page 36 of the textbook or draw a large one on the board.

 In presenting decimal equivalents to children, it may be beneficial to convert each fraction into fractional tenths and hundredths first. This can help the children to see the connections more clearly. For example:  $\frac{3}{4} = \frac{75}{100} = 0.75$ . These tricky concepts should be visited repeatedly by spending short sessions on them.

- When appropriate, move on to converting decimals into fractions, as shown in the Tips on page 36 of the textbook.
- You are encouraged to work though 100 Maths Lessons Year 4, Spring 1, Week 6, Lessons 1, 2 and 3 to consolidate this work.

#### Talk maths

 The activity in the textbook can be easily extended by representing the decimals in the book as fractions (tenths and hundredths). Provide decimals and their equivalent fractions on cards and ask the children to use them to play 'Pelmanism' or 'Snap'.

Activities

The Year 4 Practice Book has activities that involve decimal than 1, for example 1.5kg.

## Fraction and decimal equivalents



## **Curriculum objectives**

- To recognise and write decimal equivalents of any number of tenths or hundredths.
- To recognise and write decimal equivalents to 1/4, 1/2, 3/4.

## **Success criteria**

 I can convert between fractions and decimals. • Children should find the questions in the textbook straightforward. numbers and quantities greater

#### Problems

• The problems in the textbook can be used to assess children's conceptual knowledge. The children will also need practice in using decimals in practical contexts. The activities in the Year 4 Practice Book will provide ample opportunities for this.