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

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.
on to reviewing our number system and discussing the place value of 100 s, 10 s and 1 s , and then introducing tenths and hundredths. Refer to the placevalue table on page 36 of the extbook 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: $3 / 4=75 / 100=0.75$. 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.


## Activities

- Children should find the questions in the textbook straightforward. The Year 4 Practice Book has activities that involve decima numbers and quantities greater than 1 , for example 1.5 kg


## Problems

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


## 100 Maths Lessons

 Year 4 links:- Spring 1, Week 6 (pages 118-123): recognise decimals and fraction equivalents; recognise the place value of digits in decimals
- Summer 1, Week 5 (pages 194-199): use the equivalence of decimals and fractions
- Summer 2, Week 2 (pages 219-224): use decimals and fractions in measurement

Year 4 Practice Book links:
(page 79): Less than or more than $1 / 2$ ?

- (page 84): Fraction and decimal equivalents (1)
- (page 85): Fraction and decimal equivalents (2)

