

Fractions and decimals in money and measure

WHAT THIS LESSON TEACHES

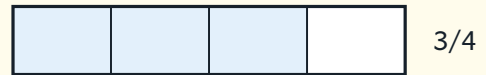
One euro is one whole, split into 100 equal cent. The two digits after the point in a price count the cent, and each cent is one hundredth of a euro. It works the same way for measures.

- €0.50 is fifty of the 100 cent in a euro, which is one half of a euro.
- €0.25 is 25 of 100 cent, which is one quarter of a euro.
- 0.5 m is half a metre, which is fifty centimetres.

MODEL THIS ON THE BOARD

READING €0.75 TWO WAYS

- 1 Look at the digits after the point: **75**. These are the cent.
- 2 There are **100** cent in one euro, so €0.75 is **75** out of **100** cent.
- 3 $€0.75 = 75/100 = 3/4$, three quarters of a euro (see the strip).



DISCUSSION STARTER

REFLECT Where do you meet decimals most — in money, in length, or somewhere else?

ANSWER KEY

- a) 50 c
b) 75 c

- Q1: $1/2$
Q2: $7/10$

EXTENSION SHEET · STRETCH ANSWERS

- S1: €1.6 (write both as cent: 160 cent vs 149 cent)
S2: €1.6 (write both as cent: 160 cent vs 138 cent)
S3: €4.2 (write both as cent: 420 cent vs 414 cent)
S4: €1.7 (write both as cent: 170 cent vs 56 cent)

- S5: €2.46 (write both as cent: 180 cent vs 246 cent)

Investigation: Pocket-money price list — open-ended; scan pupils' working for valid solution paths rather than a single answer.