

Lesson 21 **NUMBER****Dividing decimals in context**

## WHAT THIS LESSON TEACHES

When dividing a decimal amount by a whole number, line up the decimal point in the answer directly above the one in the amount being shared so each digit stays in its place-value column.

→ €15.75 shared among 5 friends is €3.15 each.

→ Sharing €10 among 3 gives €3.33 each with 1c left over that cannot be split.

## MODEL THIS ON THE BOARD

**SHARING A BILL**

① Write  $€15.75 \div 5$  with the decimal point in the answer lined up above the point in 15.75.

② Divide each digit in turn starting from the left, keeping every digit in its correct column.

③ The answer is 3.15 so each friend pays €3.15.

## ANSWER KEY

a) 2.35

b) 1.20

c) 5.85

Q1: €2.55

Q2: €1.80

Q3: 10 sweets

Q4: 0.625 l

Q5: €2.91

a) **Always** — This keeps every digit in its correct place-value column.

b) **Always** — A leftover cent cannot always be split further.

c) **Always** — The point stays fixed so place value is preserved.

d) **Sometimes** — It depends on the numbers chosen, such as  $60 \div 6$ .