

## Fraction word problems in real-life contexts

### WHAT THIS LESSON TEACHES

Before working a fraction you must first decide what the whole amount is.

→ In Aoife gets  $\frac{2}{5}$  of a 60 euro prize the whole is 60 euros.

→  $\frac{2}{5}$  of 60 euros: divide 60 by 5 then multiply by 2.

### MODEL THIS ON THE BOARD

#### IDENTIFY THE WHOLE FIRST

- 1 Read the problem and underline the whole amount.
- 2 Ring the fraction that is needed.
- 3 Divide the whole by the denominator then multiply by the numerator.

### ANSWER KEY

**Scaffold:** visual check on the page

**Q1:** €27

**Q2:** 12 minutes

**Q3:** 18 sweets

**Q4:** 14 euros

**Q5:** €18

a) **Never** — You must read carefully to find what the fraction is taken from.

b) **Always** — The rule says to identify the whole first.

c) **Sometimes** — It depends on how the problem is worded.

d) **Never** — Each clue can become the whole for the next step.

### EXTENSION SHEET · STRETCH ANSWERS

**S1:** 26

**S2:** 112