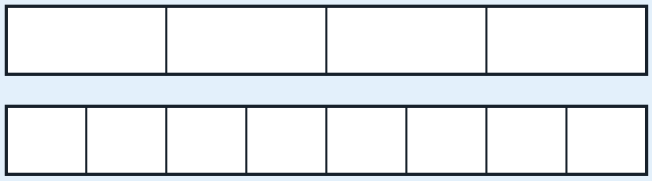
TEACHER RESOURCE BOOK · MATHS · 6TH CLASS

Lesson 44 NUMBER

Recipes, mixtures and scaling quantities

WHAT THIS LESSON TEACHES

Scaling a recipe or mixture keeps the ratio the same — multiply every ingredient by the same number.



for 4

for 8 (x2)

→ A recipe for 4 doubled to serve 8 needs **twice** every ingredient.
→ For 6 from a recipe-for-4, multiply each amount by 6/4 = 1.5.

MODEL THIS ON THE BOARD

A RECIPE FOR 4 USES 200 G FLOUR. HOW MUCH FOR 6?

1. Find the amount for **one**: 200 g ÷ 4 = **50 g**.
2. Scale to 6: 6 × 50 g = **300 g**.

ANSWER KEY

W1: 450 g

W2: 300 g

Q1: 360 g

Q2: 10

Q3: 900 g

Q4: 12 parts (4/5 = 12/15)

EXTENSION SHEET · STRETCH ANSWERS

S1: €24 + €36 + €60

S2: €20 + €30 + €50

S3: €18 + €27 + €45

S4: 20 + 50

S5: 9 + 45

Investigation: Cooking for a crowd — open-ended; scan pupils' working for valid solution paths rather than a single answer.