Ratio (adapting a recipe) – Oscar

Objectives

The relevant framework objectives are:

- divide a quantity into two or more parts in a given ratio; use the unitary method to solve simple word problems involving ratio and direct proportion (key objective)
- consolidate understanding of the relationship between ratio and proportion; reduce a ratio to its simplest form, including a ratio expressed in different units, recognising links with fraction notation.

Activity description

The pupils solved problems involving ratio, fractions, decimals and percentages.

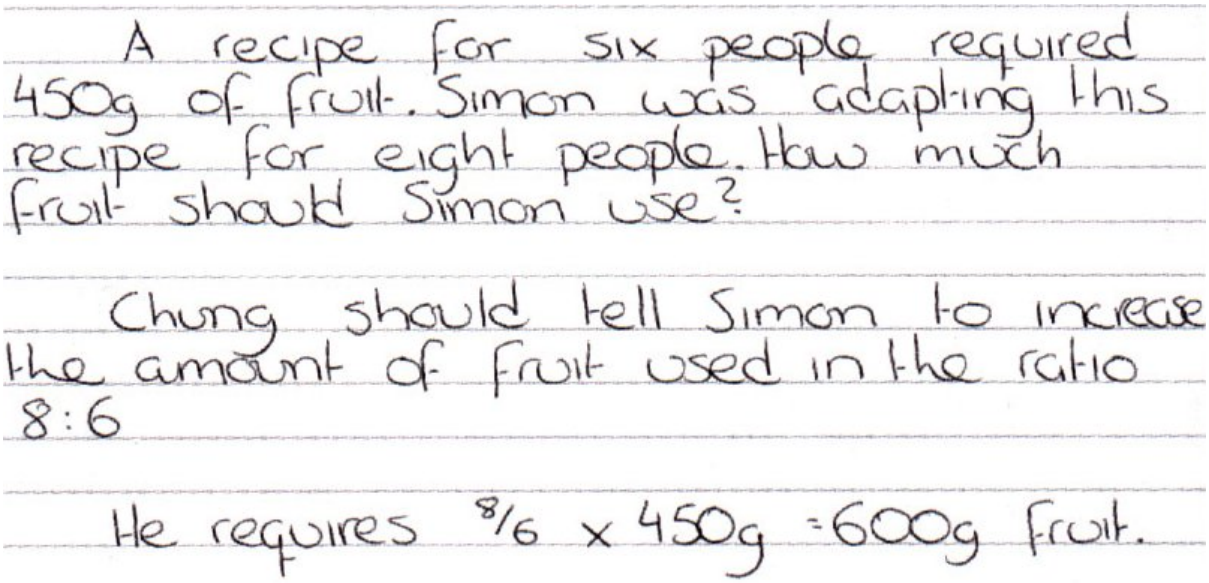
Commentary

Oscar has identified the ratio as 8:6. He has then formed the multiplier 8/6 to calculate the ingredients for the larger recipe.

Oscar's work is typical of performance at level 6 in Ma2 as he is able to recognise the need to use ratio and to use it efficiently and appropriately.

Items of work

Oscar's calculations for adapting a recipe, using ratio



About this entry

Subject:	mathematics
Year:	8
Key stage:	3
NC programme of study:	Ma2p1d, Ma2p2f, Ma2p4a
Attainment target:	Ma2
Evidence for:	level 6

Framework for teaching mathematics − objectives:

- Divide a quantity into two or more parts in a given ratio; use the unitary method to solve simple word problems involving ratio and direct proportion.