4:13 Division with remainders

(Multiplication & Division)

Syllabus reference:

Teaching notes:

Heading: Explain that the picture shows the case where 8 ÷ 3 means:
How many groups of three are in 8 and how many are left over?
8 ÷ 3 could also mean: *What is the result when 8 is shared among three people?*
The answer in both cases is 2 and 2 left over. Explain that the part left over is called the remainder.

- **Teaching box**: Explain the parts of the algorithm and their connection to the question asked. Remind students that a question given in words should have an answer in words.
- *Question 1*: Students could be asked to write an algorithm for each part.
- *Question 2*: Provide students with counters, buttons or shorts to allow sharing to take place. Verbalise the answers.
- *Question 3*: Talk about classroom situations where division will have remainders, eg sharing pencils, making teams. Review the setting out for formal problem solving.

Comments:

Language:

division, sharing, grouping, left over, remainder

Resources:

counters, buttons, shorts, spare paper

Registration and evaluation:

Date: _____