

Overview

Schofield & Sims First Mental Arithmetic provides rich and varied practice to meet the requirements of the National Curriculum for primary mathematics.

Comprising six pupil books with accompanying books of answers, as well as this **Teacher's Guide** to cover the whole series, it is designed primarily for Key Stage 1 children – Books 1 to 3 are suitable for Year 1 and Books 4 to 6 for Year 2.

The term 'mental arithmetic' is usually associated with spoken questions that the child works out in their head before providing a verbal or written answer. However, children using **First Mental Arithmetic** read the questions themselves – as in the Key Stage 1 national tests – and may use spare paper to calculate their answers if necessary.

Pupil book structure

The six pupil books are carefully graded. Each book comprises two or three sections divided into separate work sessions. The sessions become more difficult, but the increase in difficulty is gradual. The layout of the work sessions provided in Books 1 to 3 is slightly different from that provided in Books 4 to 6, to suit the age and attention span of the children. Similarly, more questions are provided per session for the older children.

However the basic structure of each session remains constant throughout the series, with the questions arranged in three parts, as follows:

- **Part A:** questions where the use of language is kept to a minimum, and symbols and numbers are used
- **Part B:** questions where mathematical language is used
- **Part C:** written questions that involve one- or two-step problem solving.

Additional Check-up Tests focus on particular areas that children might find difficult.

Section 2 Session 1

A 1 Write the totals.

$4 + 2 = \square$ $6 + 2 = \square$ $6 + 3 = \square$

2 Write the answers.

$5 - 3 = \square$ $7 - 3 = \square$ $7 - 5 = \square$

3 Tick the bag that is heavier.

B 4 Write the answers.

$3 + 4 = \square$ $6 + 1 = \square$ $4 + 5 = \square$
 $5 + 5 = \square$ $2 + 5 = \square$ $6 + 2 = \square$

This page is from **First Mental Arithmetic 2**.

Section 2 Session 8

A **ANSWER**

1 $3 + \bullet\bullet\bullet = \square$

2 $8 - \bullet\bullet = \square$

3 $2 + \bullet\bullet\bullet = \square$

4 $= \square$

5 $= \square$

6 $= \square$

Continue the pattern.

7 10 20 30 \square \square \square

8 5 10 15 \square \square \square

9 2 4 6 \square \square \square

10 60 50 40 \square \square \square

B **ANSWER**

1 9 add 1 is \square

2 4 subtract 4 is \square

3 16 take away 2 leaves \square

4 Double 8 is \square

5 Half of 10 is \square

6 Half of \square is 6. \square

C **ANSWER**

7 6 8 \square \square \square 16 18

8 \square 25 30 35 \square \square

9 40 50 60 \square \square \square

10 20 18 16 \square \square \square

How many are left?

1 8 books take away 2 books. \square

2 10 books subtract 4 books. \square

3 What is the total of 5 and 14? \square

4 What number is twice as many as 8? \square

5 What is half of 18? \square

6 What number is twice as many as 7? \square

What is the final number?

7 Start on 35. Add 3 jumps of 5. \square

8 Start on 20. Count back 3 twos. \square

9 Count back 9 tens from 100. \square

10 Count in fives from zero to 20. How many fives? \square

This page is from **First Mental Arithmetic 4**.