



# Mental Calculation

## Multiplying Consecutive Numbers

Find the value of  $90 \times 91$ .

### STRATEGY

Step 1:  $100 - 91 = 9$  [subtract the largest number from 100]

Step 2: To find the last two digits of the answer,

$$9 \times 10 = 90 \quad \text{[multiply the result obtained in step 1 by a number one greater than it]}$$

Step 3: To find the first two digits of the answer,

$$90 - 9 = 81 \quad \text{[subtract the result obtained in step 1 from the smaller number]}$$

$$90 \times 91 = \mathbf{8190}$$

Do these multiplication mentally.

1  $93 \times 94 =$

6  $94 \times 95 =$

2  $98 \times 99 =$

7  $92 \times 93 =$

3  $95 \times 96 =$

8  $99 \times 100 =$

4  $91 \times 92 =$

9  $96 \times 97 =$

5  $97 \times 98 =$

10  $90 \times 91 =$

Answers: 1 8742 2 9702 3 9120 4 8372 5 9506 6 8930 7 8556 8 9900 9 9312 10 8190

Adapted:

Mental Mathematics Book 6

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