

## Creating and solving problems

The 'doing' and 'undoing' processes of mathematics are exemplified here.

<b>Doing:</b> The problem poser	<b>Undoing:</b> The problem solver
Calculates the area and perimeter of a rectangle (e.g. 5 cm by 7 cm).	Finds a rectangle with the given area ( $35 \text{ cm}^2$ ) and perimeter 24 cm.
Writes down two numbers (e.g. 10 and 2) and calculates the sum (12) and product (20).	Finds two numbers with the given sum (12) and product (20).
Writes down how much an item costs after a reduction in price of 5%.	Works out how much the item cost originally.