

## Grid Puzzles

### EXERCISE

1)

There are 3 people, Alice, Bill and Jane. One lives in Redland, one lives in Knowle and one lives in Easton. Alice does not live in Easton. Bill lives in Redland. Who lives where?

We put this information onto a grid:

	Redland	Knowle	Easton
Alice			X
Bill	√		
Jane			

Each row and each column has one √ and two X. Can you complete the grid?

2)

There are 3 people, Alice, Bill and Jane. One lives in Redland, one lives in Knowle and one lives in Easton. Alice does not live in Redland. Jane lives in Knowle. Who lives where?

3)

There are 3 people, Alice, Bill and Jane. One lives in Redland, one lives in Knowle and one lives in Easton. One drives a Volvo, one drives a Ford and one drives a Honda. Alice does not live in Easton. The Honda driver does not live in Easton. The Ford driver lives in Redland. Bill drives the Honda. Who lives where and who drives what?

We put this information onto a more complicated grid:

	Redland	Knowle	Easton	Volvo	Ford	Honda
Alice			X			
Bill						√
Jane						
Volvo				*	*	*
Ford	√			*	*	*
Honda			X	*	*	*

Can you complete the grid? It's not so easy. Think of it as three  $3 \times 3$  grids where each row and each column has one √ and two X. Ignore the \* squares.

4)

There are 3 people, Alice, Bill and Jane. One lives in Redland, one lives in Knowle and one lives in Easton. One drives a Volvo, one drives a Ford and one drives a Honda. Alice drives the Volvo. The Honda driver does not live in Knowle. Jane does not live in Easton. Bill lives in Redland. Who lives where and who drives what?

## SOLUTIONS

1)

	Redland	Knowle	Easton
Alice	X	√	X
Bill	√	X	X
Jane	X	X	√

2)

	Redland	Knowle	Easton
Alice	X	X	√
Bill	√	X	X
Jane	X	√	X

3)

	Redland	Knowle	Easton	Volvo	Ford	Honda
Alice			X			X
Bill				X	X	√
Jane						X
Volvo	X	X	√	*	*	*
Ford	√	X	X	*	*	*
Honda	X	√	X	*	*	*

You might be stuck at this point. But, Bill drives the Honda and the Honda lives in Knowle so Bill lives in Knowle. Now can you complete the grid?

4)

	Redland	Knowle	Easton	Volvo	Ford	Honda
Alice	X	X	√	√	X	X
Bill	√	X	X	X	X	√
Jane	X	√	X	X	√	X
Volvo	X	X	√	*	*	*
Ford	X	√	X	*	*	*
Honda	√	X	X	*	*	*