



# Problem of the Week

## Problem B and Solution

### This Puzzle Has Got Your Number!

#### Problem

Use the clues below the grid to complete the puzzle. The answer to each clue is a whole number. To put an answer in the grid, place one digit in each square.

#### Solution

The completed grid is shown, as well as the answer to each clue.

1 1	2	2 3							
7		4		3 3	2	3	4 6	7	
		5		6			4		
		5 6	7	6 8	9		7 3	4	8 2
				4			2		2
			9 7	2			10 1	11 3	5
		12 6	4					1	
			13 9	1	14 2				9
					15 7	6	16 8	2	
							1		

#### Across Clues:

- 1 hundred + 2 tens + 3 ones = 123
3.  $30\,000 + 2\,000 + 300 + 60 + 7 = 32\,367$
5.  $3444 + 3345 = 6789$
7.  $114 \times 3 = 342$
9.  $2 \times 2 \times 2 \times 3 \times 3 = 72$
10.  $369 - 234 = 135$
12.  $4^3$  or  $4 \times 4 \times 4 = 64$
13.  $3 \times 2 \times 2 \times 2 \times 2 \times 19 = 912$
15.  $3841 \times 2 = 7682$

#### Down Clues:

1. 1 ten + 7 ones = 17
2.  $10\,000 - 6544 = 3456$
3.  $999 - 630 = 369$
4.  $1000 - 356 = 644$
6.  $421 \times 2 = 842$
7.  $3 \times 107 = 321$
8.  $15^2$  or  $15 \times 15 = 225$
9.  $7 \times 107 = 749$
11.  $1500 + 1600 + 90 + 2 = 3192$
14.  $3^3$  or  $3 \times 3 \times 3 = 27$
16.  $3^4$  or  $3 \times 3 \times 3 \times 3 = 81$