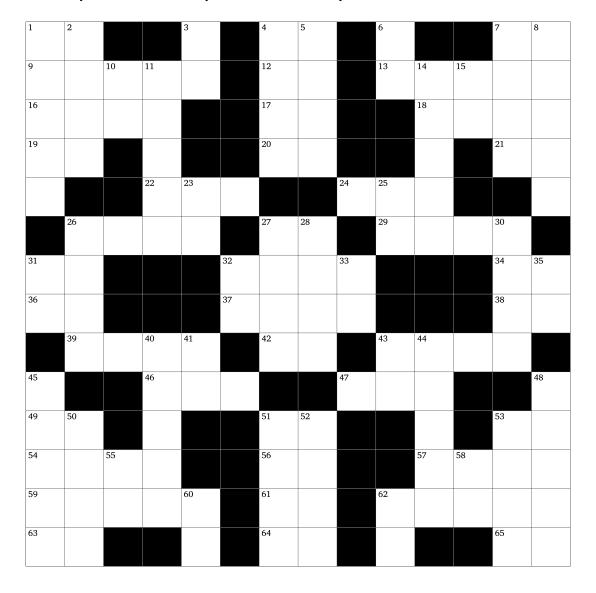


# **CrossFigure - Hard Puzzle #31**

This puzzle is like a crossword, but with numbers. Each digit occupies a square and can be a part of a "word" in the across and down directions.

### **Rules:**

- 1. "Words" may not start with a zero.
- 2. "Words" read from left to right and top to bottom.
- 3. There is one unique solution which satisfies all the clues given below.
- 4. Some "words" may not have clues. They will be determined by the "words" which intersect them.



#### Across

- 1 36 across plus 64 across
- **4** 26 across divided by 15 down
- **7** Mean of 65 across and 1 across
- **9** Nineteen thousand two hundred forty-nine less than 59 across
- 12 19 across minus half of 3 down
- 13 Twice the result of 62 across minus 42 across
- 16 29 across plus 15 down
- **17** 3 down plus 56 across
- **18** Mean of 53 down and 7 across
- 19 Mean of 41 down and 46 across
- 20 Mean of 31 across and 3 down
- 21 15 down minus 43 down
- **22** Five times a prime number
- **24** A square
- 26 61 across plus half of 26 down
- 27 Same as 63 across
- 29 Half of 48 down, then subtract 40 down
- **31** 43 down plus 55 down
- **32** 2 down plus 3 down
- **34** A square
- 36 Mean of 34 across and 15 down
- 37 Six hundred seventy-three less than 27 down
- 38 Mean of 12 across and 53 across
- **39** 16 across minus half of 47 across
- 42 4 down divided by 23 down
- **43** 8 down divided by 21 across
- **46** 30 down divided by 64 across
- **47** 53 down divided by 32 down
- **49** 24 across divided by 51 across
- 51 Mean of 3 down and 4 across
- 53 61 across minus 23 down
- 54 Mean of 37 across and 38 across
- **56** 11 down divided by 32 across
- 57 Half of 52 down, then subtract 22 across
- **59** First two digits are the same as 1 across
- **61** 53 across plus 49 across
- **62** Six thousand seven hundred sixty less than 14 down
- 63 17 across plus 34 across
- **64** A square
- **65** 46 across minus 63 across

#### Down

- 1 59 across plus half of 7 down
- 2 50 down minus 10 down
- **3** 25 down minus 31 down
- 4 49 across times 42 across
- **5** First two digits are the same as 15 down
- 6 19 across minus 4 across
- 7 Ninety-seven times 65 across
- 8 Two thousand eight hundred eighteen more than 40 down
- 10 A square
- 11 Thirty-three times a prime number
- **14** A prime number
- 15 Mean of 41 down and 31 across
- **23** 35 down minus 58 down
- 25 Twice the result of 60 down plus 4 across
- **26** Six times a prime number
- **27** Three times a prime number
- 28 Rearranged digits of 32 across
- 30 Eighty-one times 38 across
- **31** 4 down divided by 36 across
- **32** 34 across minus 62 down **33** A square
- **35** Twice the result of 27 across minus 34 across
- **40** Twenty-six times a prime number
- **41** 49 across minus 60 down
- 43 Mean of 10 down and 62 down
- 44 One hundred twenty-seven more than 62 across
- **45** 62 down plus half of 44 down
- **48** Fourteen thousand eight hundred seventy-five more than 59 across
- **50** Twenty-four times a prime number
- **51** Seven times a prime number
- **52** Four times a prime number
- 53 One thousand seven hundred thirty-four less than 7 down
- 55 Mean of 43 down and 53 across
- 58 5 down divided by 6 down
- 60 27 across minus 38 across
- **62** Mean of 51 across and 4 across

## **Solution:**

8	2			1		2	4		Ŧ			8	4
6	3	2	7	2		٩	3		5	3	4	3	4
6	9	5	9			4	5			3	3	4	6
9	9		5			4	0			5		2	0
2			6	3	5			5	7	6			0
	1	0	3	2		٩	4		6	9	1	6	
6	8				2	4	1	1				4	9
4	6				8	8	1	6				8	0
	6	8	4	1		9	2		2	2	3	0	
1			1	8	0			2	3	6			٩
3	2		7			1	8			9		6	Ŧ
4	4	4	8			3	3			3	5	6	3
8	2	5	2	1		9	9		2	6	8	0	q
9	4			4		3	6		1			8	6