

Listener Crossword No 111: Mathematical

1	2		3		4	5	6		7
8					9				
10		11		12			13	14	
		15				16			
17	18				19				20
	21			22				23	
24			25				26		
27						28			29
		30			31				
32	33				34			35	
36									

No number can begin with 0.

[The unchecked digit in 29 Down is 0; 11 Down requires some licence.]

ACROSS

- 1 4th power
- 3 20th power
- 8 Prime number
- 9 Multiple of 13
- 10 Square
- 13 Sum of number of possible moves of a knight from all squares of a chess board
- 15 Square
- 17 Square
- 19 Square
- 21 Product of two prime numbers
- 22 Square
- 23 Prime number
- 24 Square
- 26 Square
- 27 One less than a square
- 28 Cube
- 30 Cube
- 32 Twice a prime number
- 34 A factorial (*i.e.*, product of all numbers from 1 to a given number inclusive)
- 36 Number of seconds in the nineteenth century

DOWN

- 1 5th power
- 2 Square
- 3 Square
- 4 Square
- 5 Prime number
- 6 Square
- 7 Square
- 11 Generally denoted by a Greek letter
- 12 Product of two consecutive even numbers
- 14 Square
- 16 Multiple of 37
- 18 Product of four consecutive numbers
- 20 Prime number
- 22 Multiple of 3
- 24 Multiple of three consecutive odd numbers
- 25 Square
- 26 Multiple of 64
- 28 Multiple of 3
- 29 Telephone number familiar to listeners
- 31 Prime number
- 33 Prime number greater than 70
- 35 Product of two consecutive numbers