

STMC Training Crossnumber 2

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

Across

- 1 The product of 8 Across and 12 Across (3)
- 3 A square number (2)
- 5 The sum of the square roots of 2 Down, 3 Across and 9 Down(2)
- 6 A power of two which can be written as both a^b and b^a (2)
- 7 A cube number (2)
- 8 Either x or y where $3x + 5y = 343$ and $2x + 3y = 208$ (2)
- 9 A prime number (2)
- 10 A solution of $x^2 - a^2 = 0$ where $a^2 = 2$ Down (2)
- 12 Either x or y where $3x + 5y = 343$ and $2x + 3y = 208$ (2)
- 13 A power of 11 (3)

Down

- 1 A multiple of 12 Across(2)
- 2 The square of 6 Across (3)
- 4 Two thousand less than a Fibonacci Number (3)
- 6 A two digit number (2)
- 7 A prime number larger than 7 Across(2)
- 8 A factor of 2013 (3)
- 9 A square number, more than seven times 13 Across (2)
- 11 A square number (2)