

## Triples by The CQ Elves

To celebrate the 50<sup>th</sup> Listener Crossword Dinner, the Elves at CQ have created a puzzle based on *Double Nine by Rhombus* which appeared in The Listener in 1973 and uses the original grid.

Each clue consists of a triple or, in two cases, two triples of 3-digit numbers that between them contain all the digits from 1 to 9 inclusive. X' denotes the reverse of X and X\_Y\_Z denotes a string of nine digits split into three sets of three. All entries are distinct and there are no zeros in the grid. Upper-case letters denote across entries and lower-case letters denote down entries. Within a triple the entries are in ascending order except for the strings after the equality in clues III and VI.

a	A	b	c	B	d	e	f	C	g	h
D	j		E			F				
	G			H			J	k		
K	m		n	M	p	q	r	N	s	t
	P			Q				R		
S			T				U			

- |             |                                |                                 |
|-------------|--------------------------------|---------------------------------|
| <b>I</b>    | squares                        | T, U, S                         |
| <b>II</b>   | digit sums = 15                | D, G, A                         |
| <b>III</b>  | product                        | $p \times r \times q = D\_A\_G$ |
| <b>IV</b>   | divisible by their digit sum   | D, n, c                         |
| <b>V</b>    | sum                            | $e + K = g$                     |
| <b>VI</b>   | sum of cubes                   | $k^3 + r^3 + A^3 = P\_m\_Q$     |
| <b>VII</b>  | square, prime, triangular      | N, a, u                         |
| <b>VIII</b> | triangular, cube, triangular   | E, s', J                        |
| <b>IX</b>   | triangular, square, triangular | F, M + b, H + N                 |
| <b>X</b>    | multiples of 23                | $m, d + h + j - c, C$           |
| <b>XI</b>   | $n : 2n : 3n$                  | $h + u - n, t - B, Q$           |
| <b>XII</b>  | set                            | D, R, f                         |

© crossnumbersquarterly.com 2023. There is a £25 prize for the first correct entry drawn after the closing date of noon GMT 6<sup>th</sup> March 2023. Email entries to [oyler@crossnumbersquarterly.com](mailto:oyler@crossnumbersquarterly.com) or [zag@crossnumbersquarterly.com](mailto:zag@crossnumbersquarterly.com)