

# Algebra Tables

1

$x$	$3x$
2	
5	
70	
	15
	27
	150

2

$a$	$a + 12$
5	
45	
99	
	16
	49
	1011

3

$c$	$c - 7$
9	
7	
100	
	23
	99
	1003

4

$m$	$m^2$
4	
10	
50	
	25
	49
	900

5

$d$	$\frac{d}{2}$
6	
18	
38	
	7
	12
	106

6

$s$	$t$	$s + t$
3	9	
26	19	
98	57	
	23	100
95		200
56		56



**Muhammad Ibn Musa Al'Khwarizmi** (790-840) was an Islamic mathematician who wrote on Hindu-Arabic numerals and was among the first to use zero as a place holder in positional base notation. The word *algorithm* derives from his name. His algebra treatise *Hisab al-jabr w'al-muqabala* gives us the word *algebra*.

7

$y$	$y^2$	$(3y)^2$	$3y^2$	$y + 2$	$(y + 2)y^2$
5					
3					
10					

8

$z$	$z+1$	$z + 2$	$(z + 1)(z + 2)$	$(z + 1)^2$	$5(z + 2)$
5					
7					
10					