STEP 5 CONJECTURES ABOUT NUMBER	STEP 6 EXPAND BINOMIALS
30% of $40 = 40%$ of $30$	Expand and simplify: 1) $(X+2)(X+3)$ 4) $(2x-1)(x-2)$
Lis this correct? X'. of y = y'. of X	2) $(X - 7)(X + 6)$ 5) $(X + 2)(X^2 - 3X + 2)$
Is this always, sometimes or never true?	3) $(\chi - 2) (\chi - 3)$ 6) $(\chi - 3) (2\chi^2 - 7\chi - 6)$

STEP 7 CONJECTURES WITH ALGEBRA	STEP 8 EXPLORE THE 100 GRID
m is an even number, n is odd and p is prime. Test these conjectures.	1 2 3 4 5 6 7 8 9 10 Highlighted is T13 T13 T14 15 16 17 18 19 20 The total of T1s to T1s 100.
n <sup>2</sup> is odd m+p is odd	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
mn is odd n <sup>m</sup> v odd	61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90
	91 92 93 94 95 96 97 98 99 100 grid were 8x8?