Starter

Evaluate the expression when n = 3

$$4n + 12$$

Write down as much as you can about 4n + 12

Evaluate each expression when n = 5

$2(n+3)$	$(n+6)_2$	$3n_2$

Card Set A - Algebraic Expressions

$3n^2$	$2n+12$
$2n+6$	$(n+6)^2$
$6n - 1$	$2(n+3)$
$2(n+6)$	$9n^2$
$(3n)^2$	$n^2+12n+36$
$n^2+10n+21$	$(n-7)(n-3)$
n^2+36	$2(3n-1)$
$n^2-10n+21$	$6n-2$

Card set B

Mulitply n by two, then add six	multiply n by three, then square the answer
Multiply n by two, then add twelve	Add six to n, then square the answer
Add six to n, then multiply by two	Square n, then multiply by nine
Multiply n by 3, subtract 1, then multiply by two	Square n, then add 36
Multiply n by 6, then subtract 2	Add 3 to n then, then multiply by two.

n	1	2	3	4
Ans	14	16	18	20

n	1	2	3	4
Ans	3		27	48

Card Set C

Tables of numbers

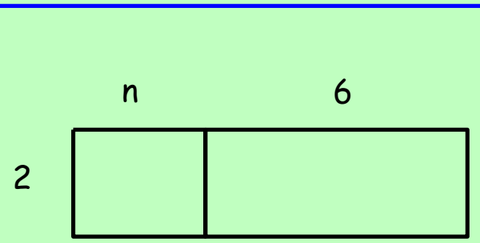
n	1	2	3	4
Ans		10	16	22

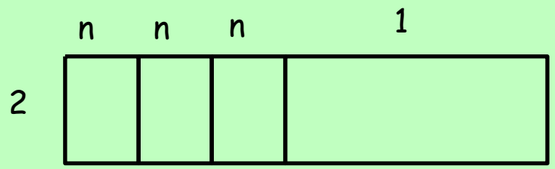
n	1	2	3	4
Ans		10	12	14

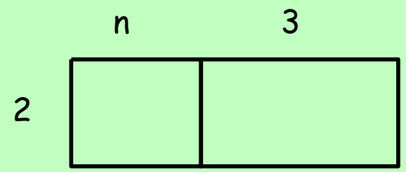
n	1	2	3	4
Ans	5	11	17	

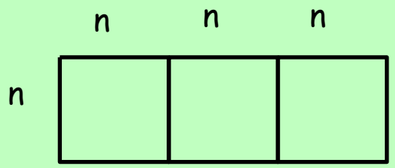
n	1	2	3	4
Ans	8	14		26

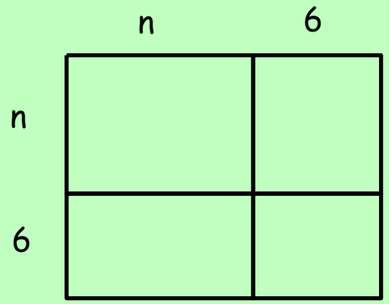
Card set D

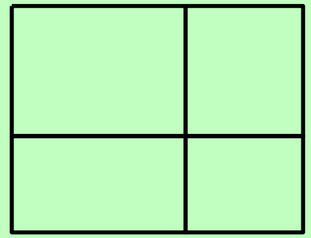


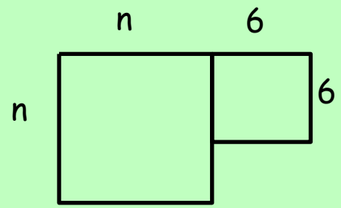


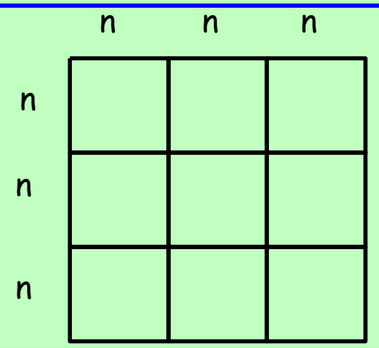












Plenary

In your booklets write

Something I am confident with is....

Something I need to work on is.....

How are these three related?

$6n - 2$

$2 (3n - 1)$

n	1	2	3	4
Ans		10	16	22

How are these three related?

$2(3n - 1)$

$6n - 2$

n	1	2	3	4
Ans		10	16	22

How could you work out the nth term for this sequence?

n	1	2	3	4
Ans	4	7	10	13