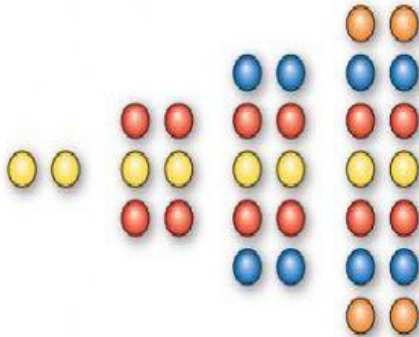


# HOMEWORK WEEK 4

NAME:

CLASS:

- 3 Harry made a shape pattern with counters. The table shows the number of counters he used for each shape.



Shape number	1	2	3	4	n
Counters	2	6	10	14	?

- a) How many counters would he use for the fifth shape?  
 b) How many counters would he use for the tenth shape?  
 c) Choose the correct formula for this dot pattern.

$3n - 1$

$2n + 2$

$4n - 2$

$5n - 3$

$3n + 1$

- d) Emily uses 58 counters to make a shape in this pattern. What is its shape number?

- 3 Work out the value of each letter.

a)  $5e + 8 = 28$        $e =$

c)  $26 - 3p = 5$        $p =$

e)  $7v - 11 = 10$        $v =$

b)  $4h - 12 = 12$        $h =$

d)  $2r + 5 = 23$        $r =$

f)  $4w + 9 = 49$        $w =$

- 4 Write an equation for each of these problems.

a) Flowers are put in bunches of 10. How many flowers are there in  $t$  bunches?

b) A ticket cost  $\$x$ . What is the cost of 12 tickets?

c) There are 25 library books and  $n$  books are borrowed. How many library books are left?

d) A farmer collects 14 eggs in the morning and will collect  $g$  eggs in the evening. How many eggs will the farmer have altogether?