

# Level 4: Homework 14

1.  $26 \cdot 71 + 111 \cdot 8$       2.  $7 \cdot 43 - 1 \cdot 8$       3.  $12 \cdot 59 \times 7$       4.  $351 \cdot 6 \div 4$

5.  
 a. Jamie uses red and blue paint in the ratio 3:2 to make purple paint. He has 9 pints of red paint.  
 How many pints of blue paint will he need if he wants to use all of his red paint?  
 b. How many pints of purple paint will he have once he has mixed all his paint?


6. Simplify:-  
 a.  $a + b + 2a + b$       b.  $2x + y - x + 3y$   
 c.  $4x + 7 + 2x - 5$

7. Solve:-  
 a.  $x + 4 = 7$       b.  $2x = 8$       c.  $2x - 1 = 5$


8. Copy the number grid and:-

1. cross out all the multiples of 5 from the grid.
2. cross out all the factors of 6 from the grid.
3. cross out all the prime numbers from the grid.
4. write down all the numbers that are left.

60	3	14	1
11	35	9	10
2	18	20	17
36	23	33	6

21. 

Dominic wants to place the six dominoes above in a hexagonal ring so that, for every pair of adjacent dominoes, the numbers of pips match. The ring on the right indicates how one adjacent pair match.

In a completed ring, how many of the other five dominoes can he definitely *not* place adjacent to  ?

A 1      B 2      C 3      D 4      E 5

