Math 4e. Homework 2.

1. Fill the empty boxes in the table (draw the table in your notebook):

a	16	28	44		49			
b	7	13		18		12	23	
$a+b$			60	67			833	72
$a-b$					35	60		0

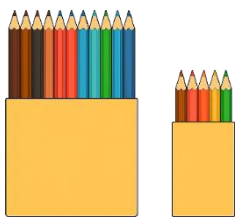
2. Evaluate (what is the best way to compute it? Hint: use commutative property):
   Example: $3 \cdot 2 \cdot 7 \cdot 8 \cdot 5 = 2 \cdot 5 \cdot 3 \cdot 7 \cdot 8 = 10 \cdot 21 \cdot 8 = 10 \cdot 194 = 1680$

   $a.\ 72 + 59 + 97 + 28 + 41;$ $b.\ 32 + 34 + 36 + 38;$
   $c.\ 5 \cdot 19 \cdot 5 \cdot 3 \cdot 2 \cdot 2;$ $d.\ 715 - 99 - 101;$
   $e.\ (629 + 56) - 629;$ $e.\ 232 - (95 + 132);$

3. Write without parenthesis, use the distributive property:
   Example: $21 \cdot (2 + 3) = 21 \cdot 2 + 21 \cdot 3$
   $a.\ 32 \cdot (21 + 3);$ $b.\ 5 \cdot (21 - 3);$ $c.\ 7 \cdot (12 + 5);$ $d.\ 3 \cdot (45 + 15);$

4. Evaluate (what is the best way to compute it? Hint: use the distributive and/or commutative properties):
   Example: $17 \cdot 55 + 45 \cdot 17 = 17 \cdot (55 + 45) = 17 \cdot 100 = 1700$

   $a.\ 23 \cdot 15 + 15 \cdot 77;$ $b.\ 79 \cdot 21 - 69 \cdot 21;$
   $c.\ 340 \cdot 7 + 16 \cdot 70;$ $d.\ 250 \cdot 61 - 25 \cdot 390;$
   $e.\ 67 \cdot 58 + 33 \cdot 58;$ $f.\ 55 \cdot 682 - 45 \cdot 682$
   $g.\ 5 \cdot 4 + 5 \cdot 44 + 5 \cdot 444 + 5 \cdot 4444;$
   $h.\ 26 \cdot 25 - 25 \cdot 24 + 24 \cdot 23 - 23 \cdot 22 + 22 \cdot 21 - 21 \cdot 20 + 20 \cdot 19 - 19 \cdot 18 + 18 \cdot 17 - 17 \cdot 16 + 16 \cdot 15 - 15 \cdot 14;$



5. 8 large boxes contain the same number of pencils as 12 small boxes.
   How many pencils are in one small box if one large box contains 18 pencils?
6. One book has 126 pages, and the other has 84 pages. Michle read both books in 5 hours. How much time did he spend reading each book if his reading rate did not change?