Using the Distributive Property

1. Complete each equation using the Distributive Property to remove the parentheses.

$3\ (x + 5) =$

$4\ (2y + 7) =$

$4\ (7 + 6) =$

2. Complete each equation using the Distributive Property to insert parentheses.

$3z + 12 =$

$7x + 35 =$

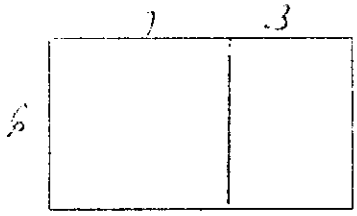
$21 + 28 =$

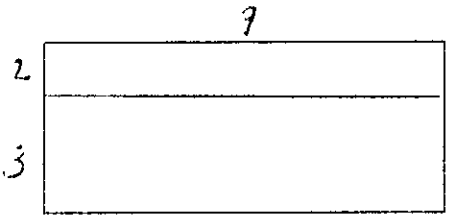
$15 + 45 =$

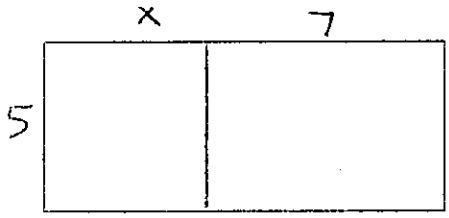
3. Do these problems in your head:

6 x 14	7 x 23	5 x 46	3 x 53
8 x 25	5 x 17	7 x 52	6 x 27

4. Write the equation that each of these rectangles imply:







5. Draw a rectangle for each equation:

$10\,(2+8) = 10 \times 2 + 10 \times 8$

$n\,(3+4) = 3n + 4n$

$r\,(s+t) = rs + rt$

6. Does the Distributive Property work if the signs are reversed?

$$a + (b \times c) \overset{?}{=} (a + b) \times (a + c)$$