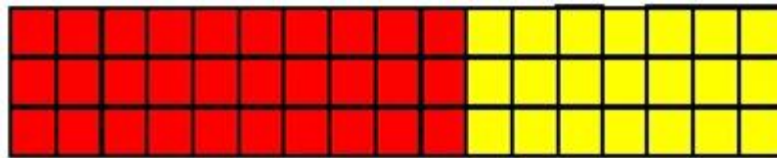# Arrays with Tens and Ones

An array shows objects in rows and columns. It can be used to show multiplication.
Find the product. Show your multiplication and addition.

$3 \times 17 =$ _____

Multiply the tens place first. $3 \times 10 = 30$
Then multiply the ones. $3 \times 7 = 21$
Add the products. $30 + 21 = 51$
Check by multiplying the rows of tiles by the columns of tiles in the array.
3 rows × 17 columns = 51 tiles

So, $3 \times 17 = 51$.

Examples:

A- Find the product. Show your multiplication and addition.

1) 3 x 16

    3 x 10 = 30

    3 x 6 = 18

    30 + 18 = 48

2) 5 x 13

    5 x 10 = 50

    5 x 3 = 15

    50 + 15 = 65

3) 4 x 22

    4 x 20 = 80

    4 x 2 = 8

    80 + 8 = 88

4) 5 x 15

    5 x 10 = 50

    5 x 5 = 25

    50 + 25 = 75