

**Learning Goal:**

By the end of this lesson I should be able to MULTIPLY single and double-digit positive numbers together using the DISTRIBUTIVE PROPERTY of MULTIPLICATION, WITHOUT the use of a calculator (technology).

**Example Strategies:** Find the PRODUCT of  $4 \times 13$

Number Model - Distributive Property

$$(4)(13)$$

$$=(4)(10+3)$$

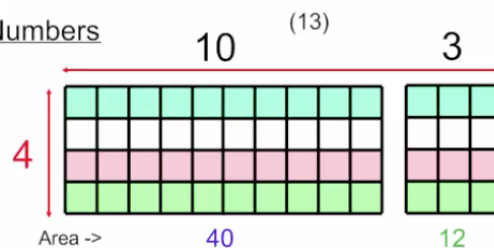
$$=(4)(10)+(4)(3) \quad (\text{distributive property})$$

$$= 40 + 12$$

$$= 52$$

Area Model - Friendly Numbers

$$4 \times 13 = 52$$



**Skills Practice:** Find the Product of the following using the Distributive Property:

(a)  $(5)(14)$

(b)  $(8)(22)$

(c)  $(3)(48)$

(d)  $(9)(28)$

(e)  $(11)(20)$

(f)  $(12)(78)$