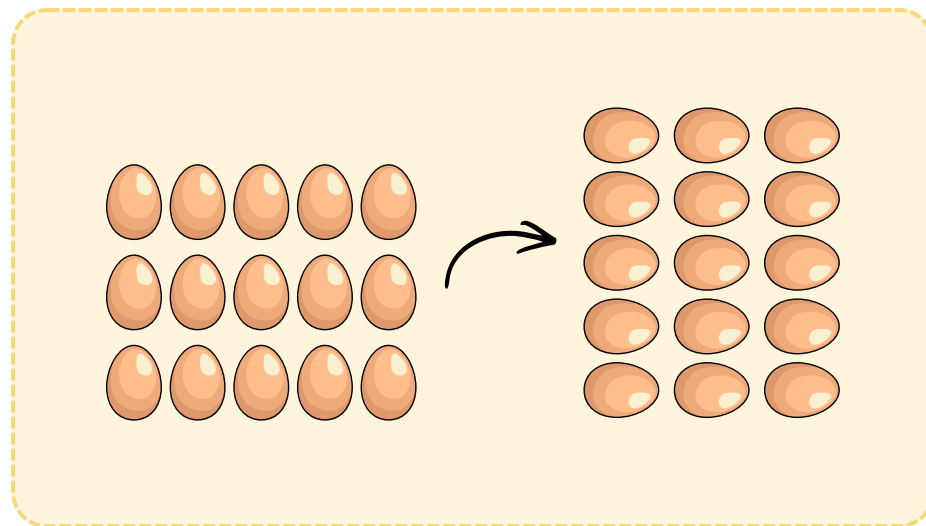


Properties

Commutative

You can reorder.

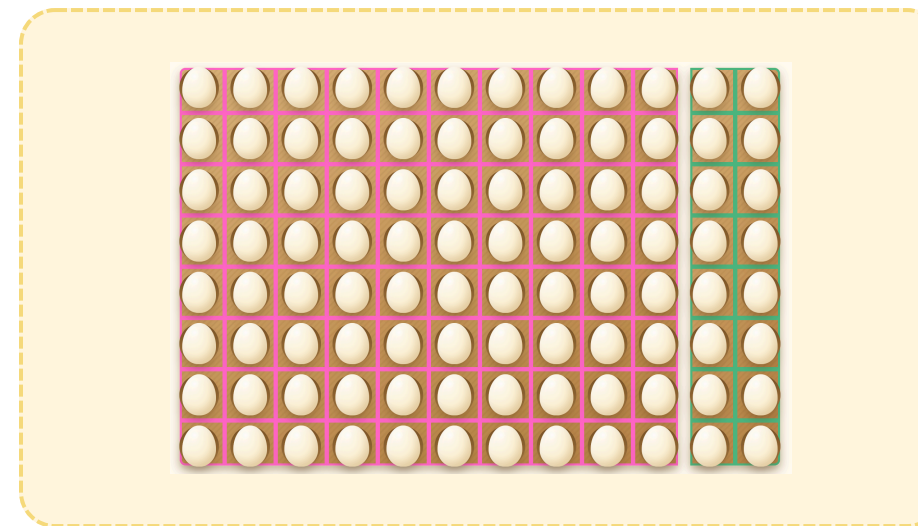


$$3 \times 5 = 5 \times 3$$

$$4 + 7 = 7 + 4$$

Distributive

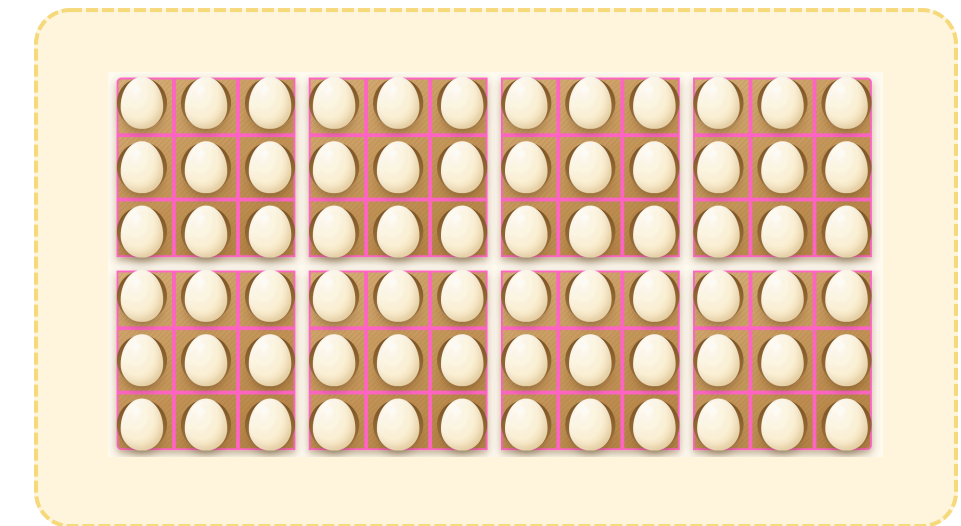
You can split and spread.



$$8 \times 12 = (8 \times 10) + (8 \times 2)$$

Associative

You can regroup



$$6 \times 12$$

$$= 2 \times 3 \times 3 \times 4$$

$$= 2 \times (3 \times 3) \times 4$$

$$= 2 \times 4 \times 9$$

$$= 8 \times 9$$