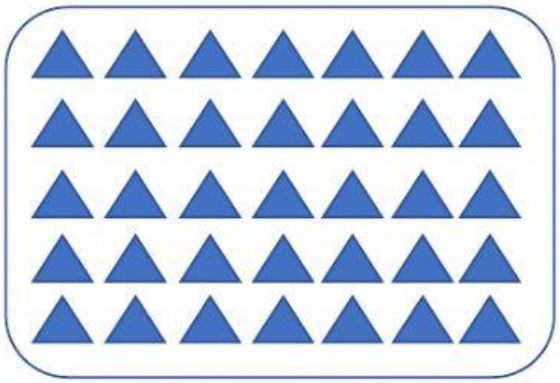
DISTRIBUTIVE PROPERTY



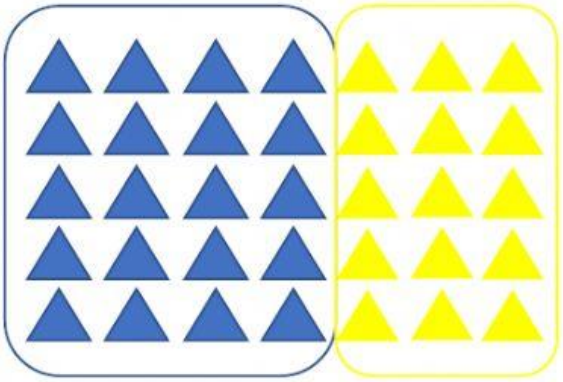
Number of rows = _____

Number of columns = _____

Now write a multiplication sentence that describes the array:

_____ x _____ = _____

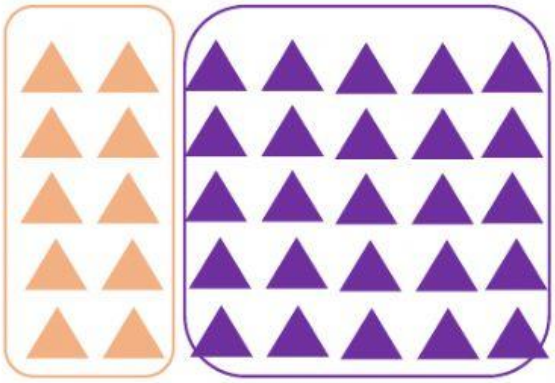
Let´s divide our model in different ways.



How many blue triangles are there? _____ x _____ = _____

How many yellow triangles are there? _____ x _____ = _____

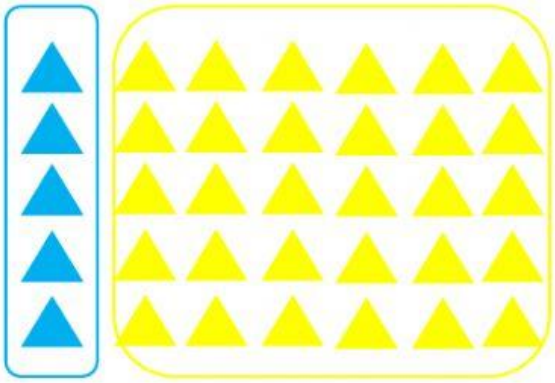
How many triangles are there in total? _____ + _____ = _____



How many pink triangles are there? _____ x _____ = _____

How many purple triangles are there? _____ x _____ = _____

How many triangles are there in total? _____ + _____ = _____



How many sky-blue triangles are there? _____ x _____ = _____

How many yellow triangles are there? _____ x _____ = _____

How many triangles are there in total? _____ + _____ = _____

We divided into 2 groups the:

columns rows

Is the answer in all models the same?

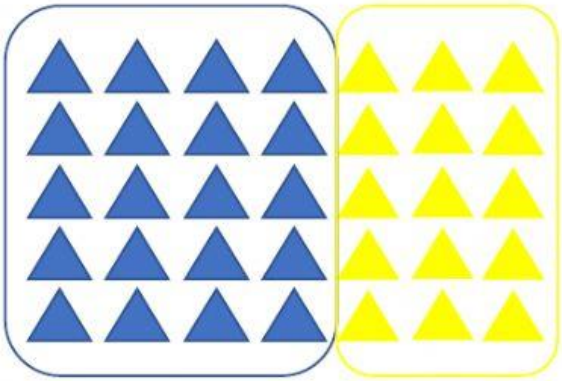
Yes No

What can you conclude?

_____

_____

Now let´s write one multiplication sentence that describes each array using the distributive property (Fill in the blanks).

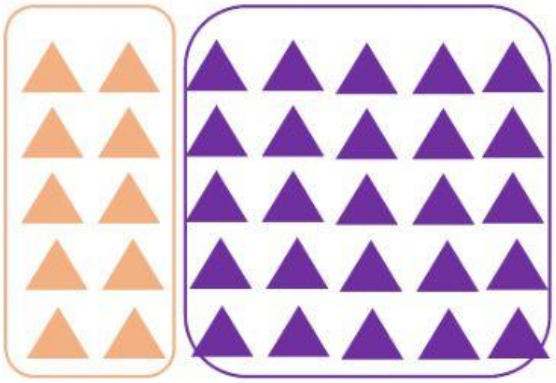


5 x (____ + ____)

(___ x ____) + (___ x ____)

____ + ____

_____

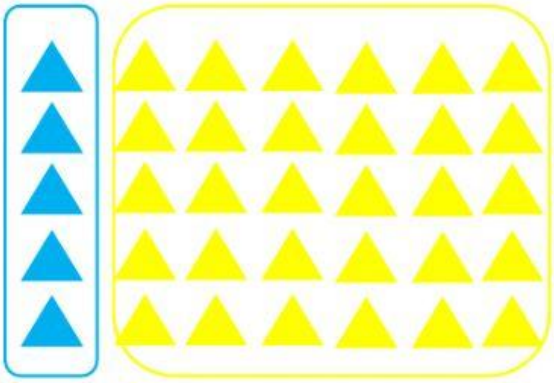


___ x (____ + ____)

(___ x ____) + (___ x ____)

____ + ____

_____



___ x (____ + ____)

(___ x ____) + (___ x ____)

____ + ____

_____