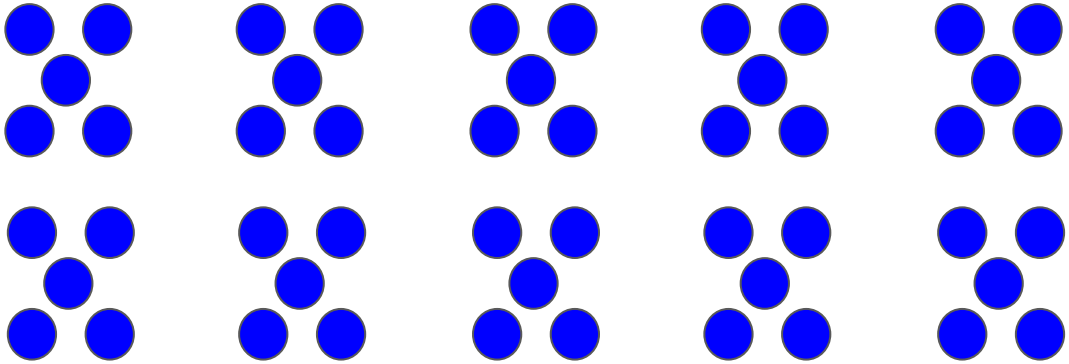
Subitizing

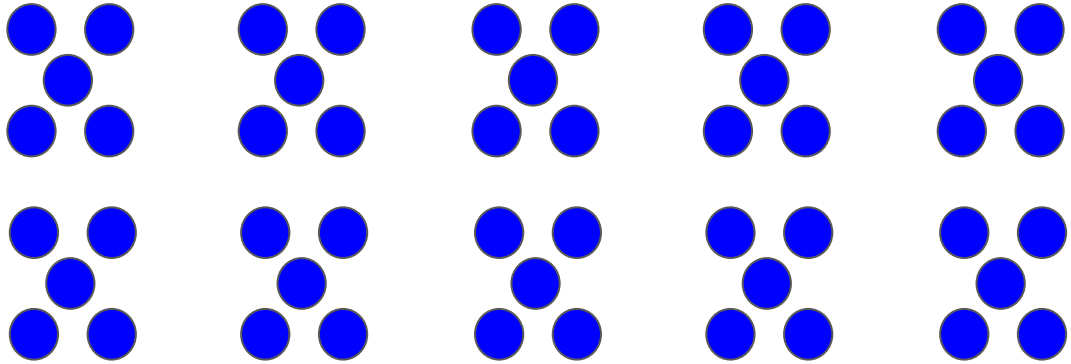
Multiplication Images



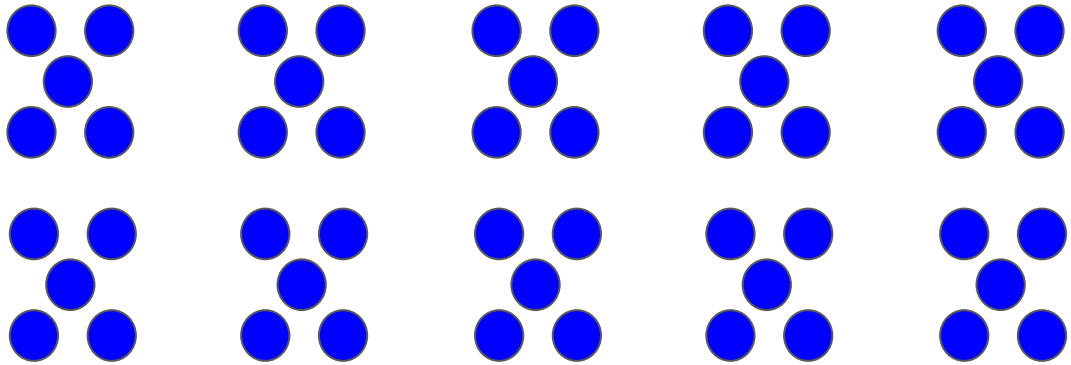
Do you see equal groups?

How many equal groups?

How many are in each group?



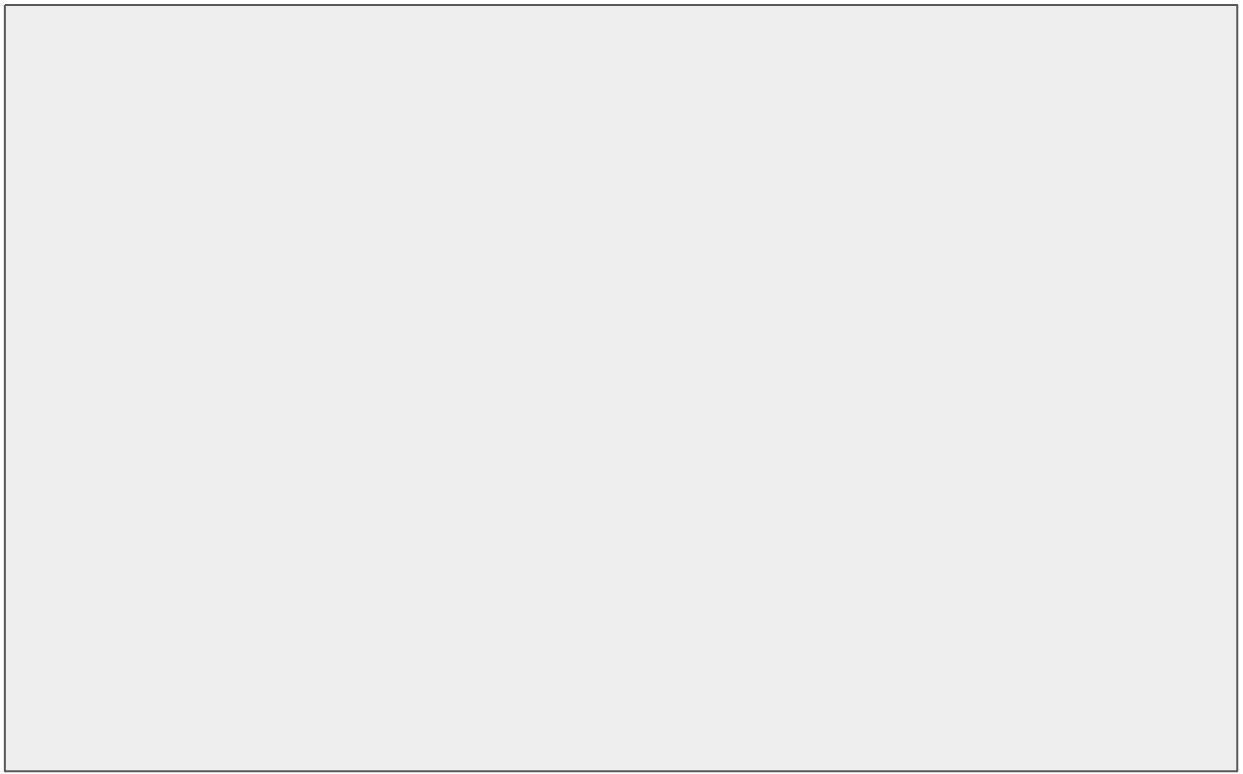
What is a possible way to represent this in an equation?

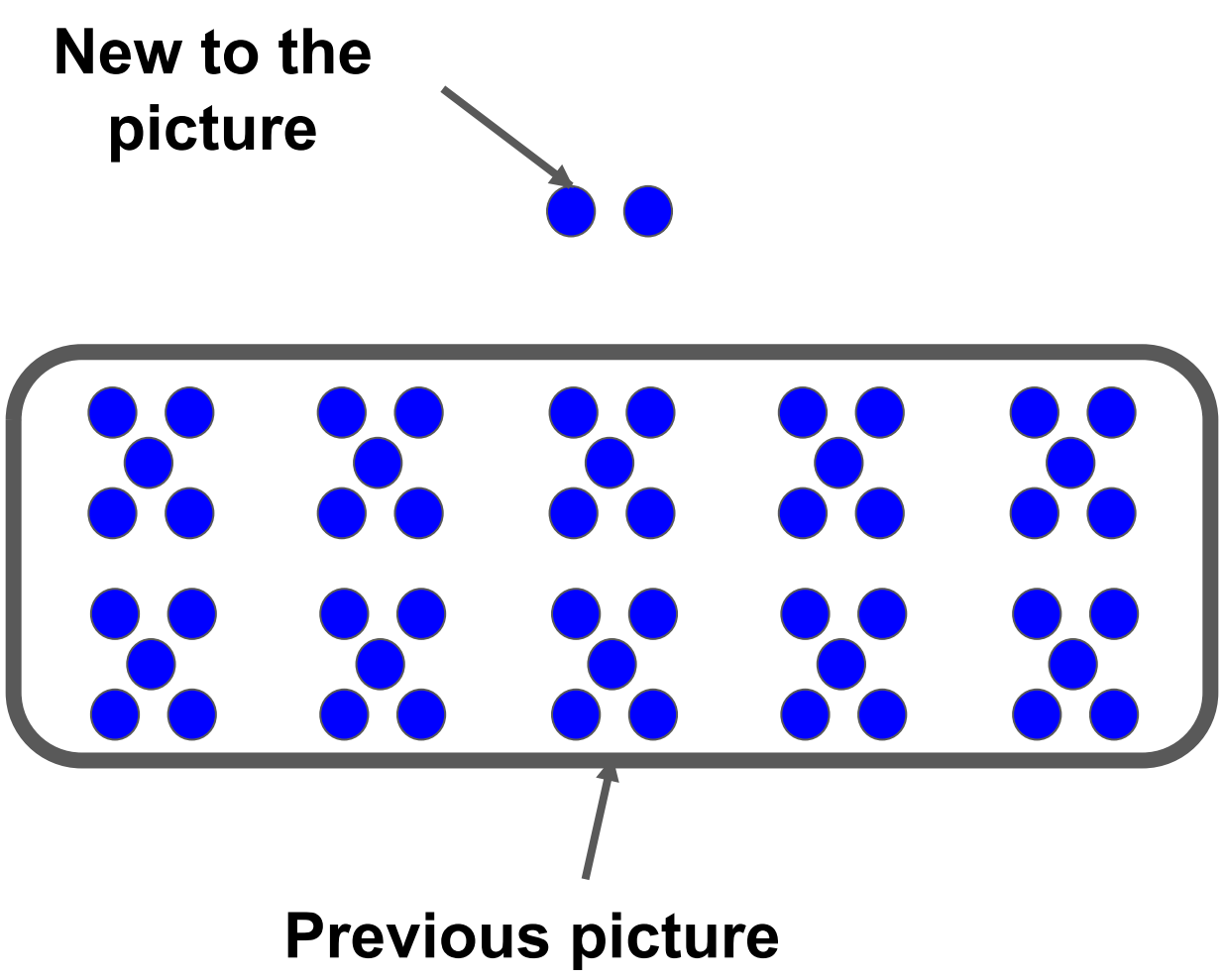


Kobe told his teacher: I see 5 groups. Inside each group there are 2 groups of 5 so I have 5 groups of 2 groups of 5.

Kobe wrote down 2 x (2 x 5).

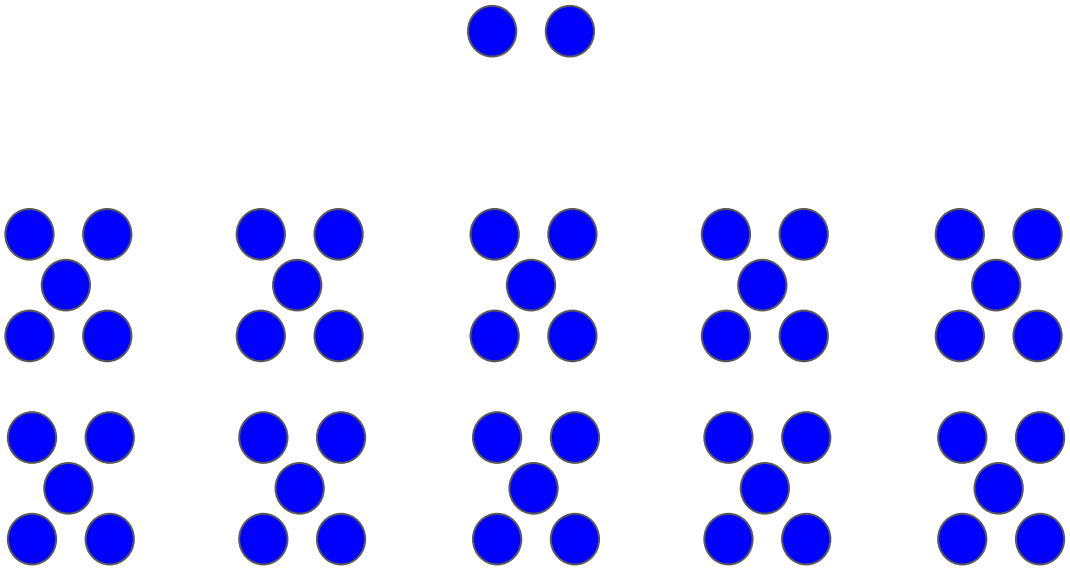
Is Kobe correct? Talk about where each of the numbers in Kobe's equation comes from in the picture.



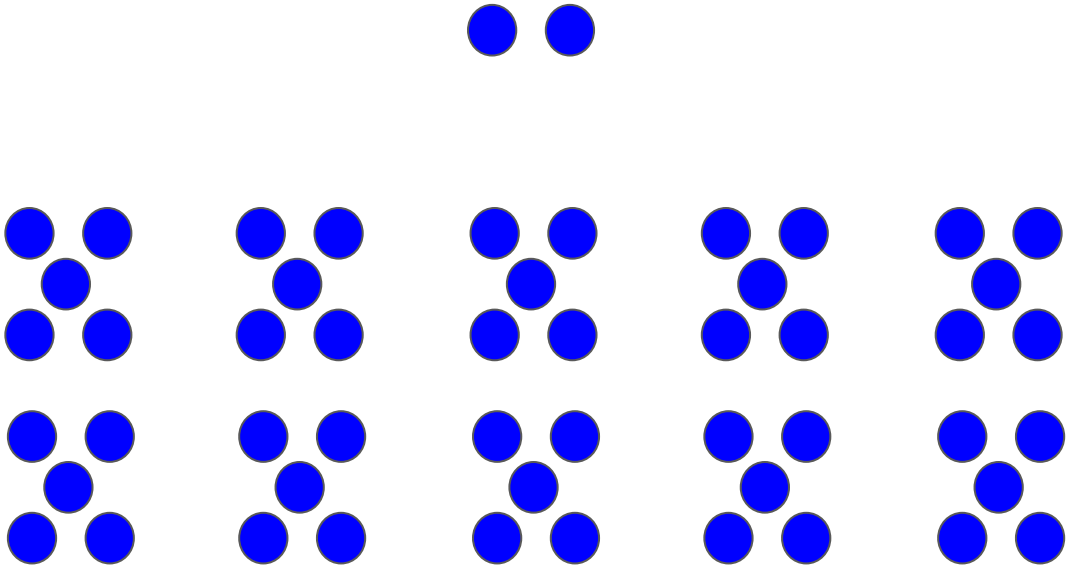


How can you determine the total number of dots?

How is this picture different from the last one?

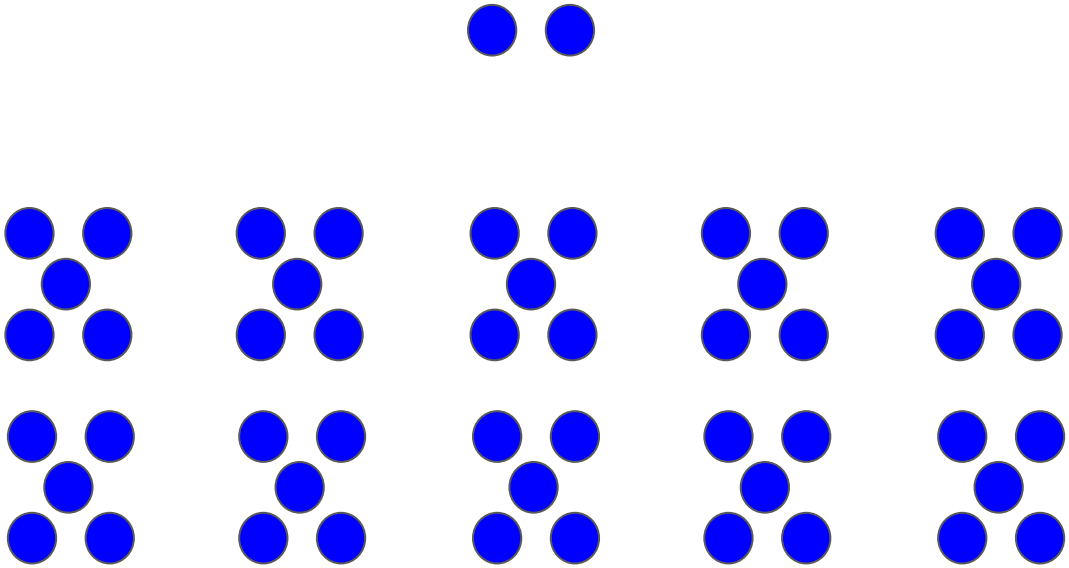


- Nina says, “We added 2 to the picture that had 5 groups of 10.
- Nina writes: 2 + 5 x 10.
- She says 2 plus 5 is 10. 10 times 7 is 70 so we have 70.
- Is Nina correct? Why or why not?



We know that there are 52 dots.

What order do we need to do the operations in 2 + 5 x 10 to get 52 as an answer?



We know that there are 52 dots.

2 + 5 x 10 = 70
If we do the operations in order.

2 + (5 x 10) = 52
If we do what is parentheses first.