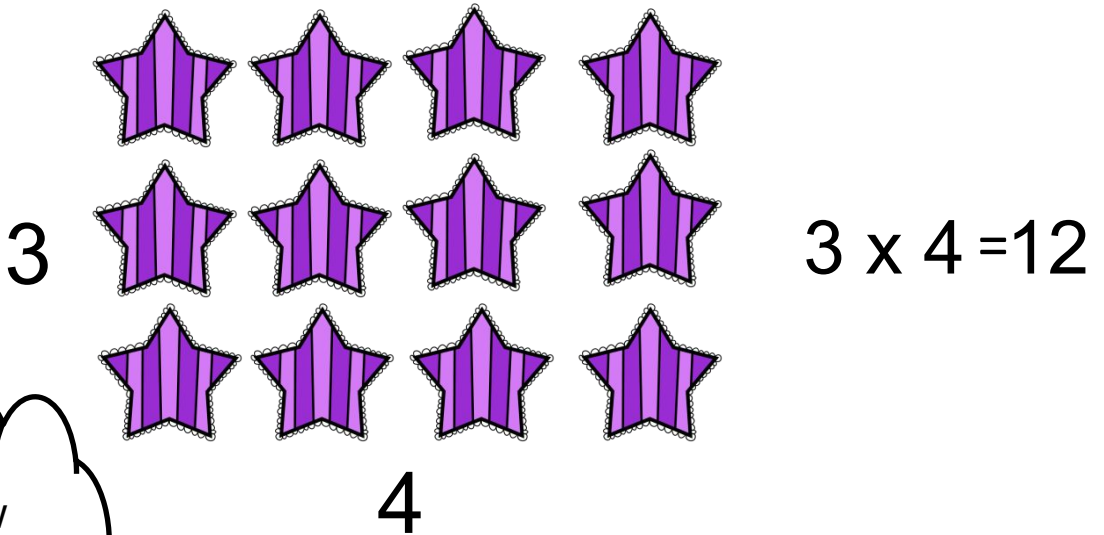


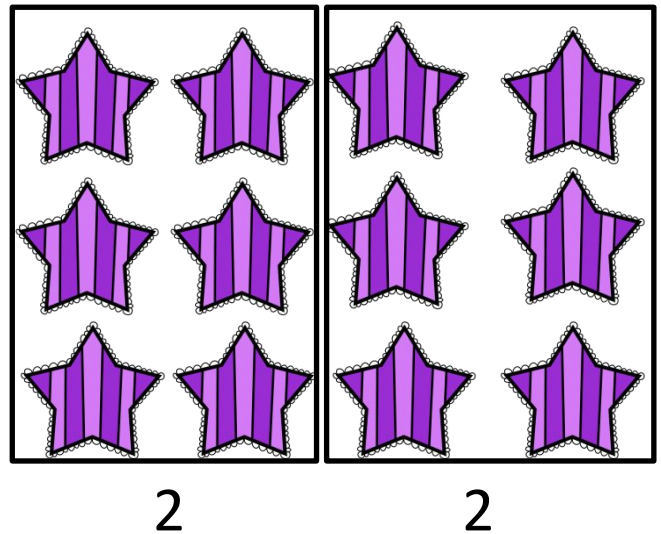
Splitting Up Arrays

Name _____



We know that there are 12 stars in the array because $3 \times 4 = 12$.

We can also think of it as 3×2 plus another 3×2 .



$$(3 \times 2) + (3 \times 2)$$

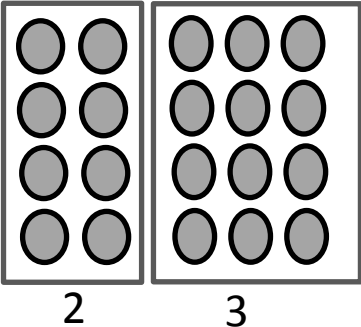
$$6 + 6 = 12$$

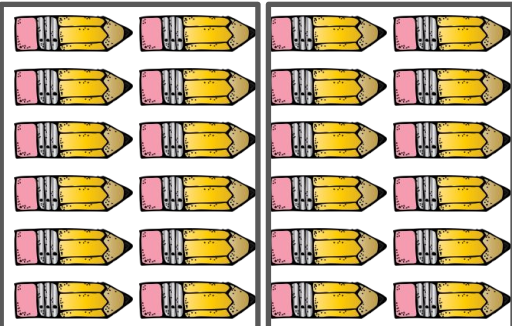


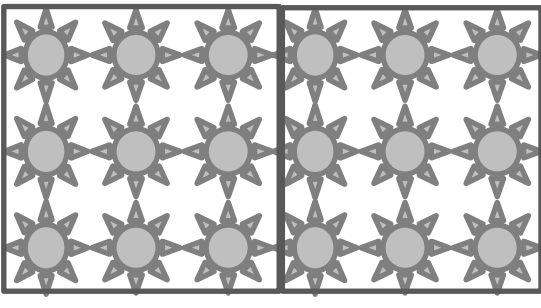
Splitting Up Arrays

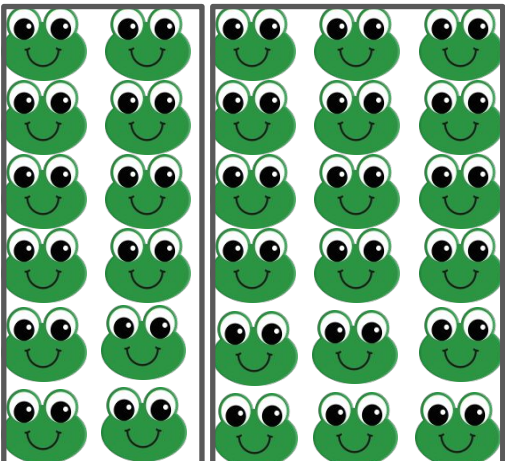
Name _____

For each array below, write the number sentence that shows both groups.

4  $(4 \times 2) + (4 \times 3) = 20$
 $4 \times 5 = 20$

6  $(\quad) + (\quad) = \quad$

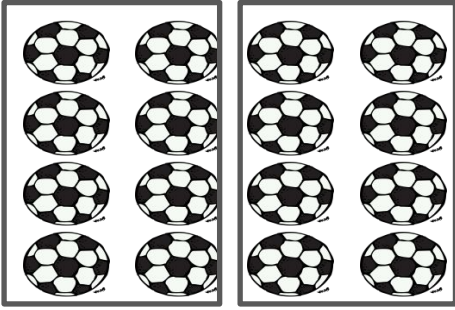
3  $(\quad) + (\quad) = \quad$

6  $(\quad) + (\quad) = \quad$

More Arrays

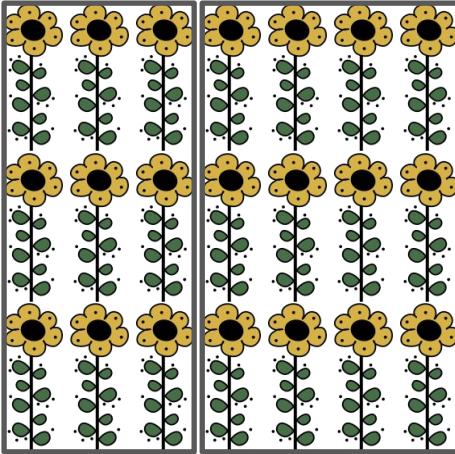
Name _____

4



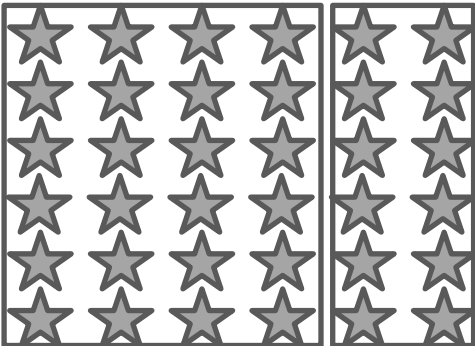
$$(\underline{\quad}) + (\underline{\quad}) = \underline{\quad}$$

3



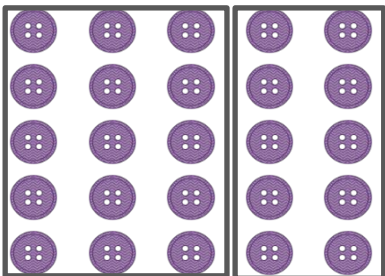
$$(\underline{\quad}) + (\underline{\quad}) = \underline{\quad}$$

6



$$(\underline{\quad}) + (\underline{\quad}) = \underline{\quad}$$

5

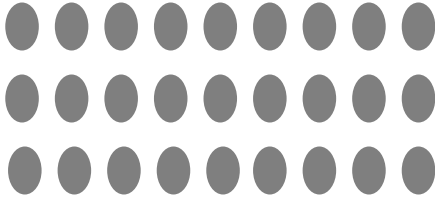


$$(\underline{\quad}) + (\underline{\quad}) = \underline{\quad}$$

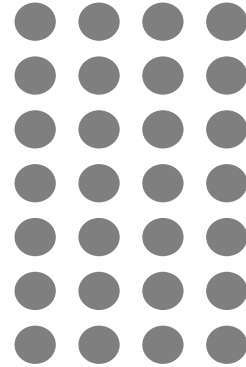
Circle Arrays

Name _____

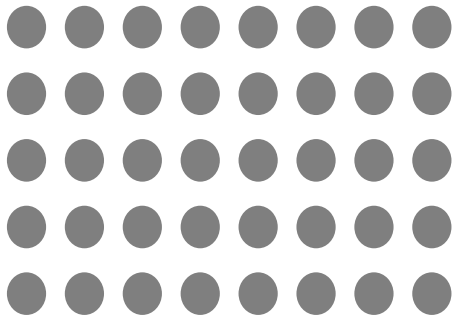
For each array below, split it into two groups and write the number sentence that matches both groups.



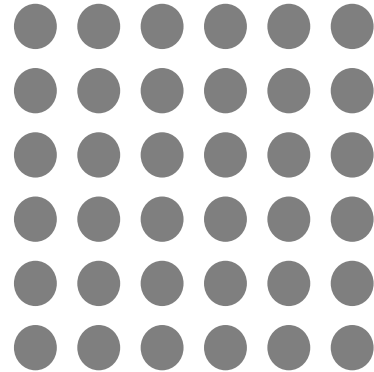
$$(\underline{\quad}) + (\underline{\quad}) = \underline{\quad}$$



$$(\underline{\quad}) + (\underline{\quad}) = \underline{\quad}$$



$$(\underline{\quad}) + (\underline{\quad}) = \underline{\quad}$$

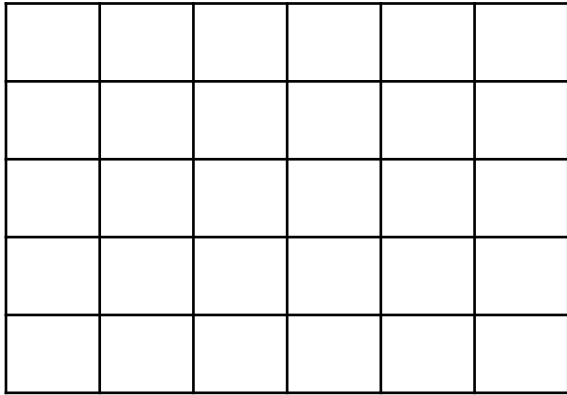


$$(\underline{\quad}) + (\underline{\quad}) = \underline{\quad}$$

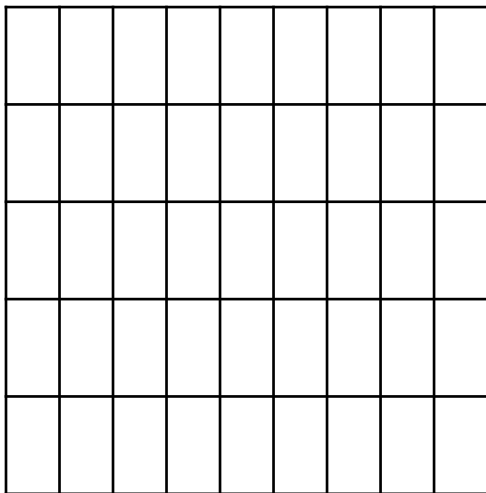
Box Arrays

Name _____

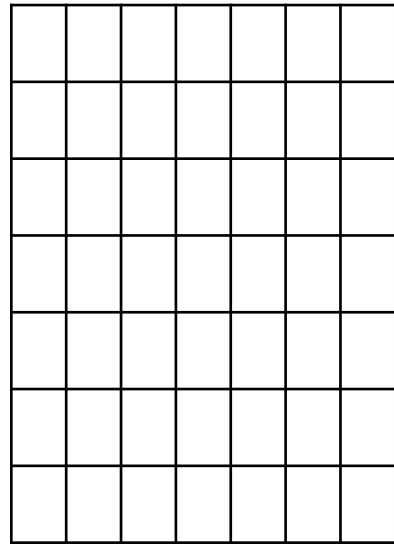
For each array below, split it into two groups and write the number sentence that matches both groups.



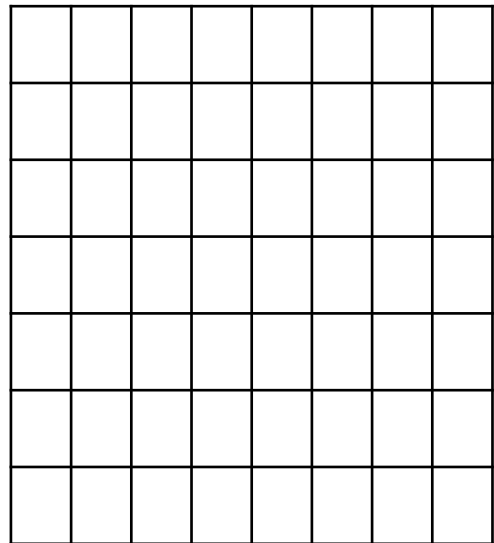
$$(\underline{\quad}) + (\underline{\quad}) = \underline{\quad}$$



$$(\underline{\quad}) + (\underline{\quad}) = \underline{\quad}$$



$$(\underline{\quad}) + (\underline{\quad}) = \underline{\quad}$$



$$(\underline{\quad}) + (\underline{\quad}) = \underline{\quad}$$

Breaking it Apart

Name _____

Fill in the missing number and find the product.

$$5 \times 6 = \underline{\quad}$$

$$(5 \times 2) + (5 \times \underline{\quad})$$

$$8 \times 6 = \underline{\quad}$$

$$(4 \times 6) + (\underline{\quad} \times 6)$$

$$9 \times 3 = \underline{\quad}$$

$$(5 \times 3) + (\underline{\quad} \times 3)$$

$$5 \times 5 = \underline{\quad}$$

$$(5 \times 3) + (5 \times \underline{\quad})$$

$$9 \times 6 = \underline{\quad}$$

$$(\underline{\quad} \times 6) + (6 \times 6)$$

$$8 \times 4 = \underline{\quad}$$

$$(4 \times 4) + (\underline{\quad} \times 4)$$

$$6 \times 7 = \underline{\quad}$$

$$(5 \times 7) + (\underline{\quad} \times 7)$$

$$9 \times 7 = \underline{\quad}$$

$$(\underline{\quad} \times 7) + (5 \times 7)$$

$$8 \times 6 = \underline{\quad}$$

$$(5 \times 6) + (\underline{\quad} \times 6)$$

$$9 \times 8 = \underline{\quad}$$

$$(5 \times 8) + (\underline{\quad} \times 8)$$

$$9 \times 7 = \underline{\quad}$$

$$(5 \times 7) + (\underline{\quad} \times 7)$$

$$6 \times 8 = \underline{\quad}$$

$$(6 \times \underline{\quad}) + (6 \times 4)$$

Breaking it Apart

Name _____

Fill in the missing number and find the product.

$$4 \times 6 = \underline{\quad}$$

$$(4 \times 3) + (4 \times \underline{\quad})$$

$$5 \times 7 = \underline{\quad}$$

$$(3 \times 7) + (\underline{\quad} \times 7)$$

$$7 \times 6 = \underline{\quad}$$

$$(4 \times 6) + (\underline{\quad} \times 6)$$

$$9 \times 6 = \underline{\quad}$$

$$(\underline{\quad} \times 6) + (5 \times 6)$$

$$9 \times 4 = \underline{\quad}$$

$$(5 \times 4) + (\underline{\quad} \times 4)$$

$$8 \times 3 = \underline{\quad}$$

$$(5 \times 3) + (\underline{\quad} \times 3)$$

$$6 \times 5 = \underline{\quad}$$

$$(6 \times 3) + (6 \times \underline{\quad})$$

$$9 \times 9 = \underline{\quad}$$

$$(5 \times 9) + (\underline{\quad} \times 9)$$

$$9 \times 5 = \underline{\quad}$$

$$(\underline{\quad} \times 5) + (4 \times 5)$$

$$8 \times 8 = \underline{\quad}$$

$$(5 \times 8) + (\underline{\quad} \times 8)$$

$$7 \times 4 = \underline{\quad}$$

$$(4 \times 4) + (\underline{\quad} \times 4)$$

$$7 \times 7 = \underline{\quad}$$

$$(7 \times \underline{\quad}) + (7 \times 4)$$