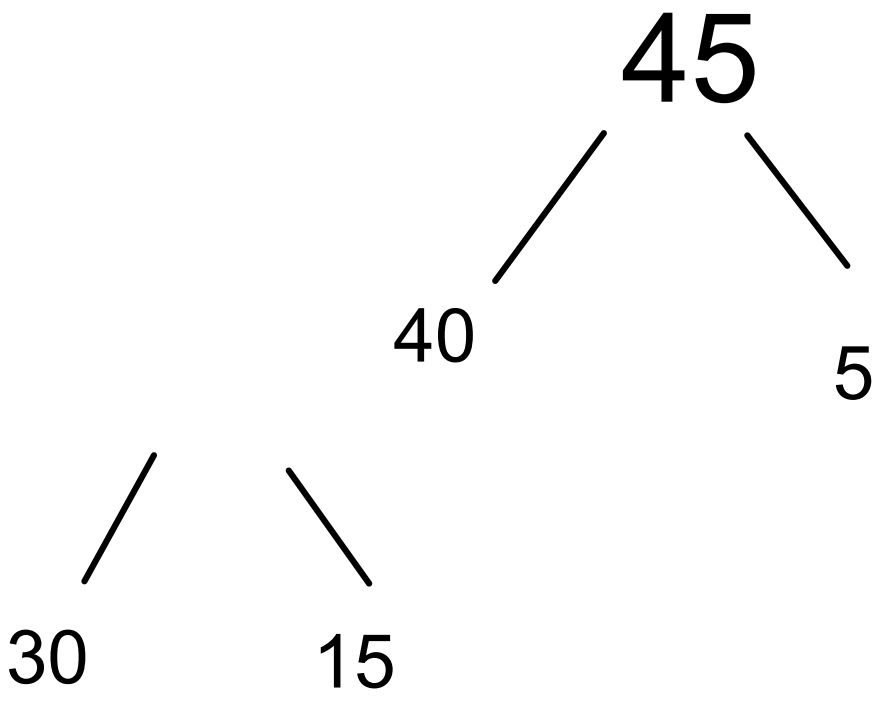
Key learning: identify that multiplication is commutative

Do Now

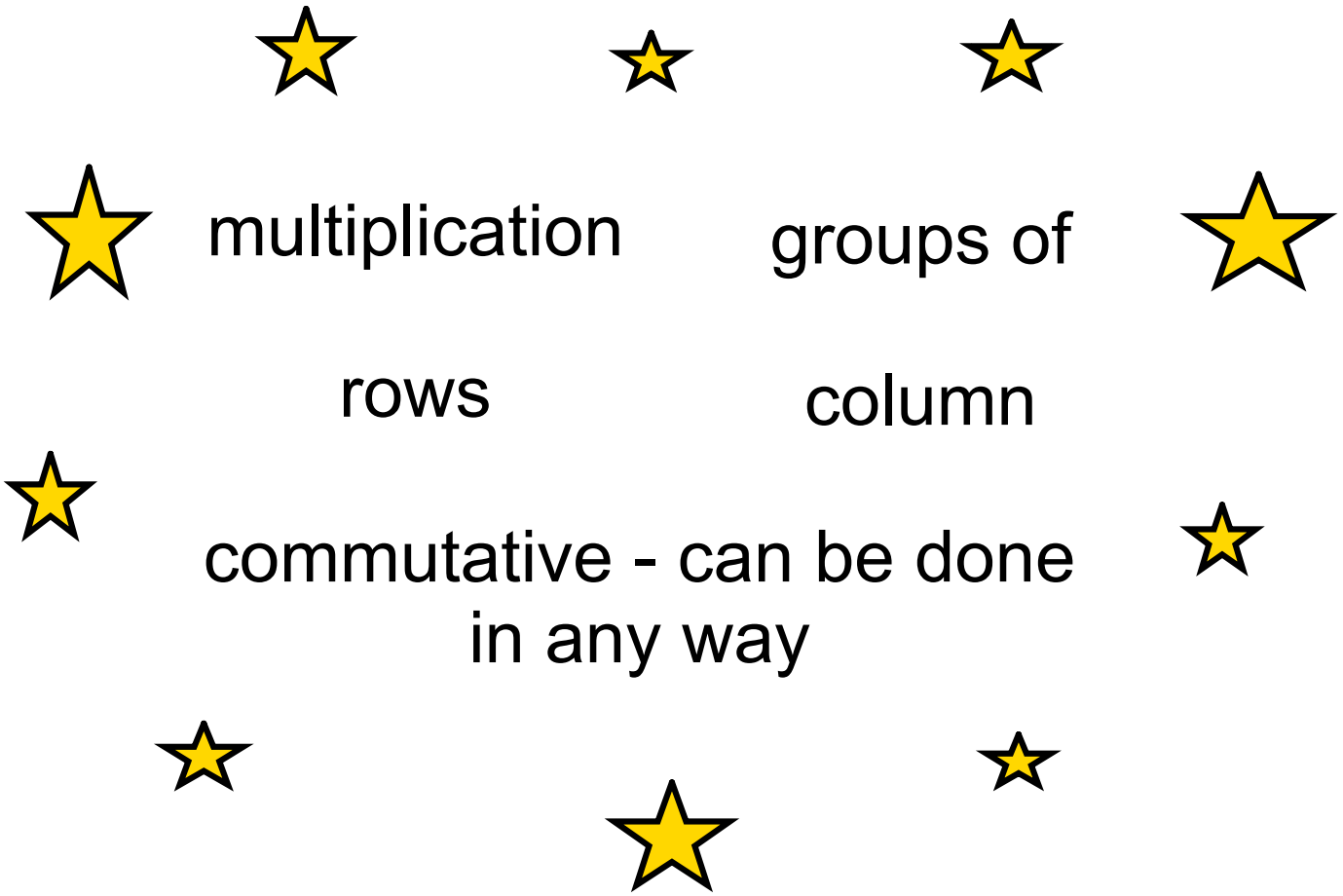
How many different ways can you partition...



multiplication commutative groups of rows column

Key learning: identify that multiplication is commutative

Star words

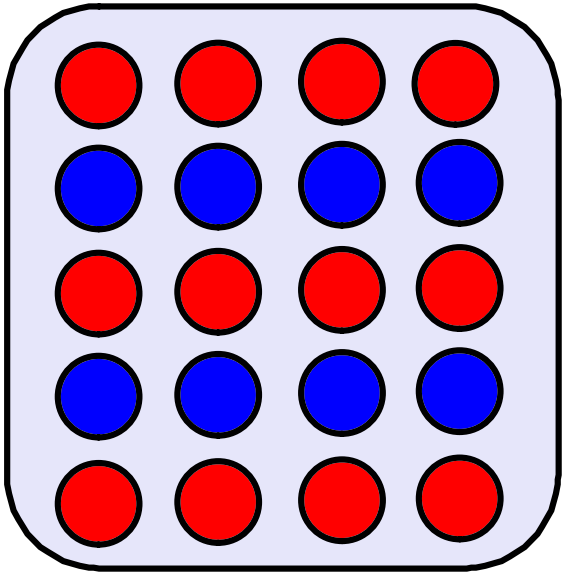


multiplication commutative groups of rows column

Key learning: identify that multiplication is commutative

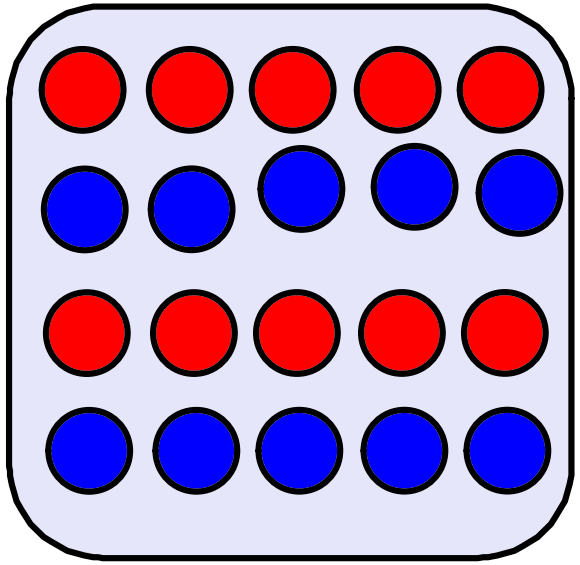
New Learning

Year 2 has five rows with four places in each.



- How many rows are there in Year 2? How many places are there in each row?

Year 3 has four rows with five places in each.



- How many rows are there in Year 3? How many places are there in each row?

multiplication commutative groups of rows column

Key learning: identify that multiplication is commutative

Let's Explore

Year 4 has three rows with five places in each.

Year 5 has five rows with three places in each.

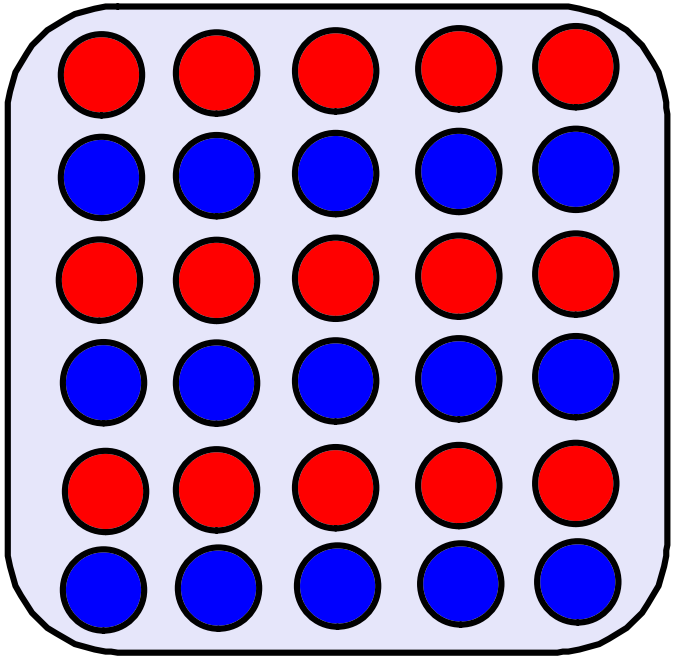
Are these classes the same size?

multiplication commutative groups of rows column

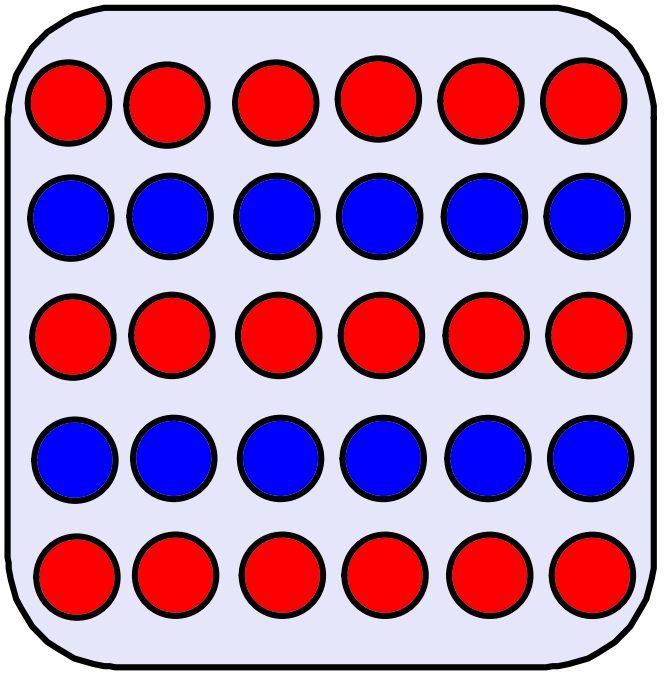
Key learning: identify that multiplication is commutative

Develop Learning

Year 6 has six rows with five places in each.



Reception has five rows with six places in each.



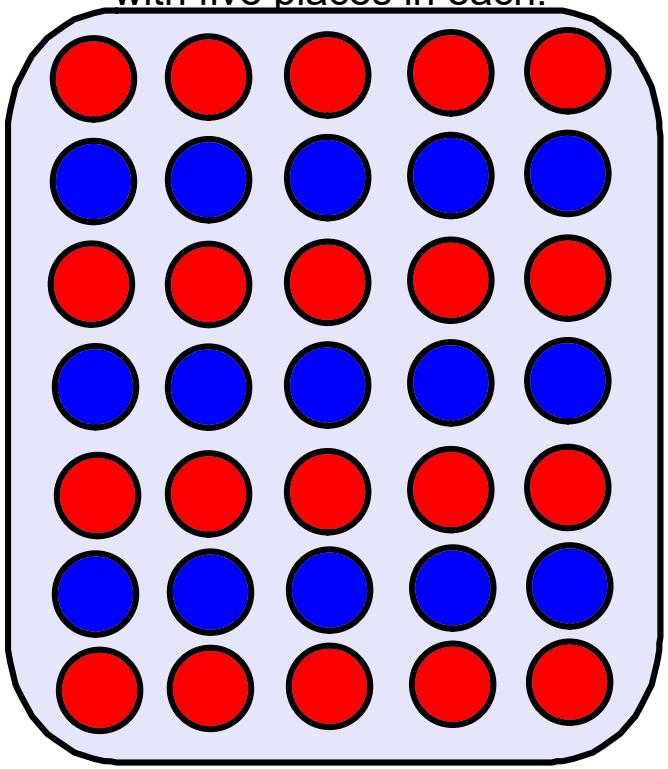
Halves

multiplication commutative groups of rows column

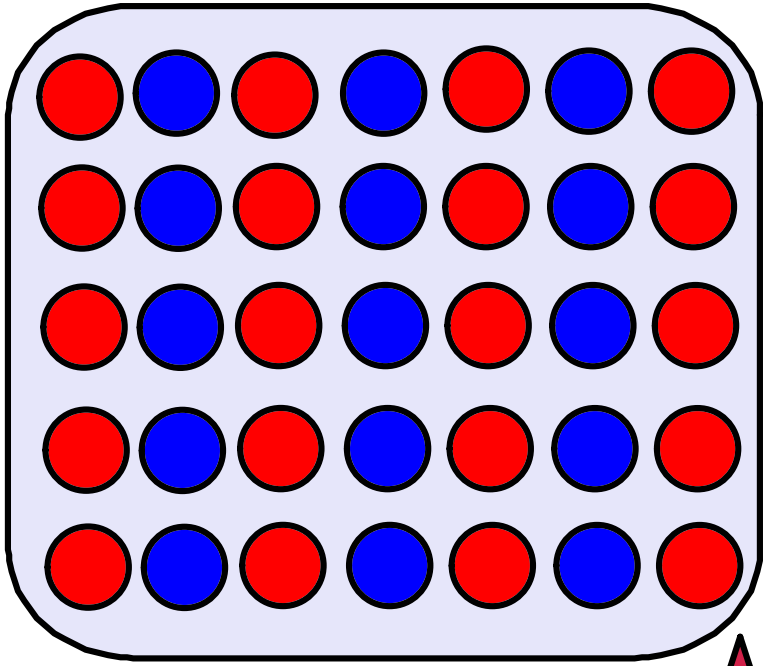
Key learning: identify that multiplication is commutative

Develop Learning

The first nursery class has seven rows
with five places in each.



The second nursery class has five rows with seven places in each.



Halves

multiplication commutative groups of rows column

Key learning: identify that multiplication is commutative

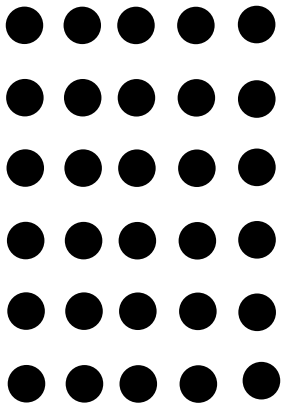
Task A

Solve the word problems by creating arrays.

Represent the arrays pictorially.

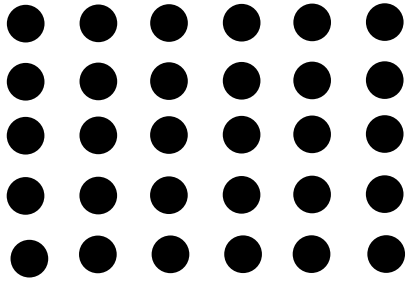
Write the multiplication equations.

Year 6 has six rows with five places in each.



6 x 5 = 30

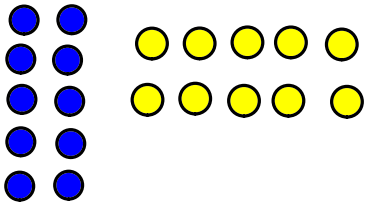
Reception has five rows with six places in each.



5 x 6 = 30

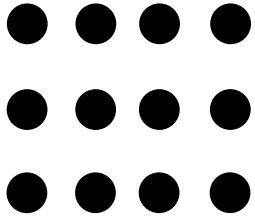
Halves

multiplication commutative groups of rows column

Year 1's book corner has five rows with two places in each. Reception's book corner has two rows with five places in each. Which book corner is bigger? 	Year 6 has eight rows with five places in each. Year 5 has five rows with eight places in each. Which class is bigger?
Year 2's book corner has six rows with two places in each. Year 3's book corner has two rows with six places in each. Which book corner is bigger?	Year 4 has six rows with four places in each. Year 3 has four rows with six places in each. Which class is bigger?
Year 4's book corner has four rows with three places in each. Year 5's book corner has three rows with four places in each. Which book corner is bigger?	Year 2 has seven rows with three places in each. Year 1 has three rows with seven places in each. Which class is bigger?

Key learning: identify that multiplication is commutative

CHALLENGE - Which multiplication calculation does the array show?



4 + 3

4 + 4

4 - 3

4 x 3

multiplication commutative groups of rows column