Creature Calculations

Learning Objective:
To solve multiplication and division problems

Multiplication arrays

How can we easily solve 3x5?
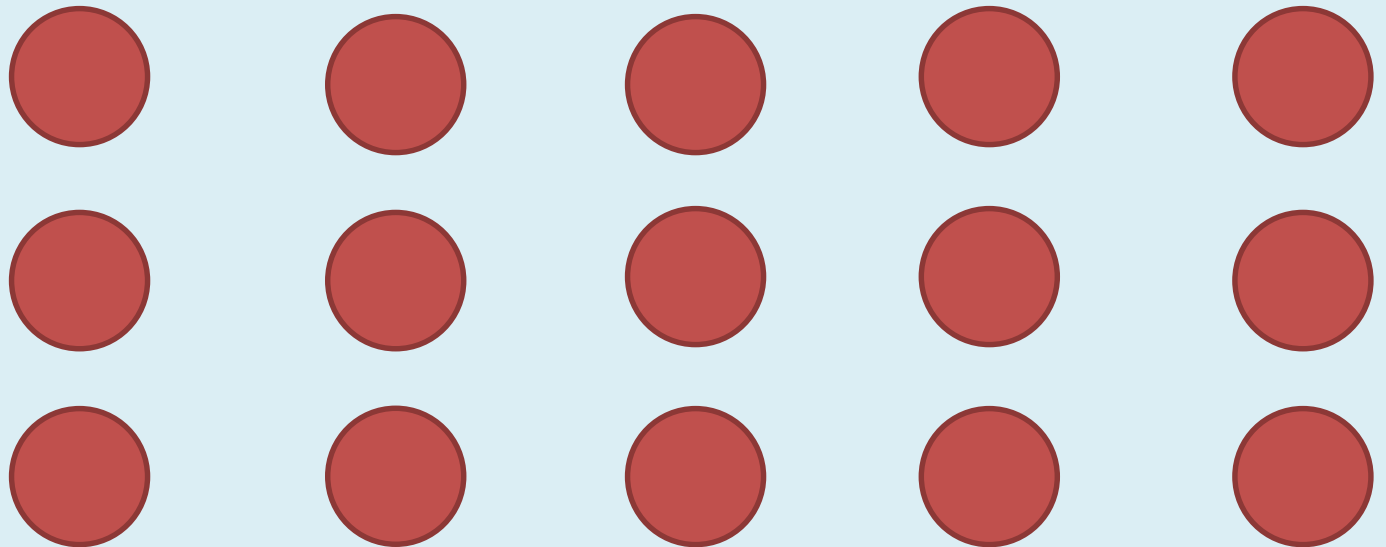
3x5 is the same as saying:

"3 groups of 5".

If we make the groups, we can easily find the answer.

Multiplication arrays

Let's make those groups.

Remember, 3 groups of 5; write them on a piece of paper.

Multiplication arrays

If we rotate the array, is the answer still the same?

Yes!

5 groups of 3 is the same as having 3 groups of 5.

5x3=15
3x5=15

Division arrays
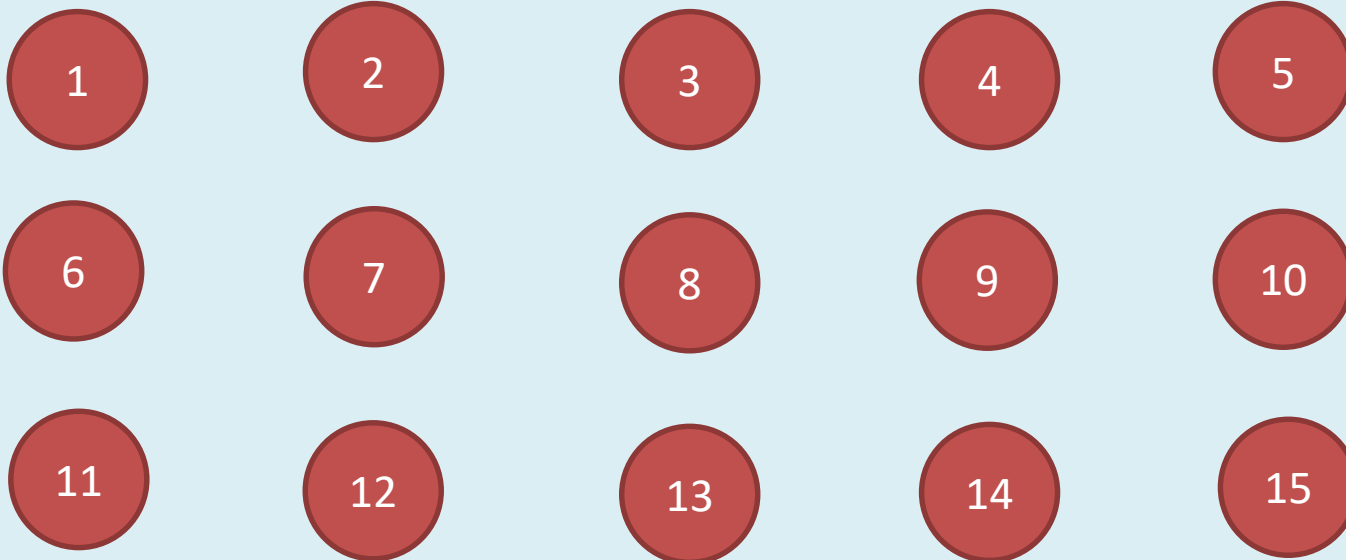
We can use the array to solve division.

$15 \div 3 =$

Division arrays

15 divided into 5 groups makes 5 groups of 3.

15÷5=3

Think back to the multiplication sum. Can you see the link?

Word Problems

Read these word problems. What is the sum you need to do?

1. There are 5 leopards sitting in each tree. There are 2 trees. How many leopards are there in total?

Each leopard has 2 cubs. How many leopard cubs are there altogether?

2. There are 10 horses. They eat 100 apples. How many apples does each horse eat?

The horses go into 5 stables. How many horses are in each stable?

Task: Now use your knowledge of the 2, 5 and 10 times tables to complete the multiplication and division calculations in the 'creature calculations' activity.

Remember – always perform a quick check with the inverse!