

**Task 1 Making arrays**

**Warm up:** Write all the numbers up to 50. Are the numbers all the right way around?

**Activity:** We now know the connections between 'lots of' (multiplication) and 'sharing' (division)

Get your counters to test this out.

Last week we found out that  $3 \times 4 = 12$  Also that

$12 \div 4 = 3$

Can you make another array for the number 12? Any more equal groups/

What about this  $\begin{matrix} \circ \circ \circ \circ \circ \circ \\ \circ \circ \circ \circ \circ \circ \end{matrix}$  Well that's  $6 \times 2 = 12$   
 $12 \div 2 = 6$

Can you share these numbers into equal groups and write a multiplication and division sum for them?

8

10

14

16

18

Brilliant!

**Task 2 Problem solving with arrays**

**Warm up:** Continue writing numbers all the way up to 75.

**Activity:** You can use arrays to solve a problem

John has some caterpillars. He shares them between 4 leaves. There are 2 caterpillars on each leaf. How many caterpillars did he start with? So let's think...

4 leaves-that's 4 groups or columns  $\circ \circ \circ \circ$

2 caterpillars on each, so that's 2 rows  $\circ \circ \circ \circ$

Try these

There are 3 lily pads. There are 6 frogs on each lily pad. How many frogs are there?

There are 5 flowers. There are 4 fairies on each flower. How many fairies are there?

There are 5 plates. There are 3 sausages on each plate. How many sausages are there?

There are 8 bowls. There are 2 strawberries in each bowl. How many strawberries are there altogether?

There are 3 babies. Each has 7 toys. How many toys are there altogether?

**Task 3 Division practise**

**Warm up:** Write all the numbers all the way up from 75 to 100

**Activity:** Draw arrays to work out these sums

$16 \div 4 = 6 \div 2 = 9 \div 3 = 12 \div 2 = 8 \div 2 = 9 \div 3 = 22 \div 11 = 20 \div 5 = 20 \div 4 =$

**Task 4 Multiplication practise**

**Warm up:** Get your 100 square. Quickly find 66, 71, 79, 82, 88, 90, 95, 99.

**Activity:** Draw arrays to work out these sums

$4 \times 3 = 6 \times 3 = 5 \times 4 = 2 \times 11 = 5 \times 2 = 4 \times 6 = 7 \times 4 = 8 \times 4 = 10 \times 2 =$

**Task 5 Working with higher numbers.**

**Warm up:** Get your 100 square. Count up from 5 in 5s all the way to 50. Now in 2s to 100.

**Activity:** Lets deal with some higher numbers, the same type of arrays.

$10 \times 3 = 30 \div 6 = 6 \times 8 = 36 \div 4 = 7 \times 4 = 32 \div 8 = 20 \times 2 = 40 \div 5 =$