



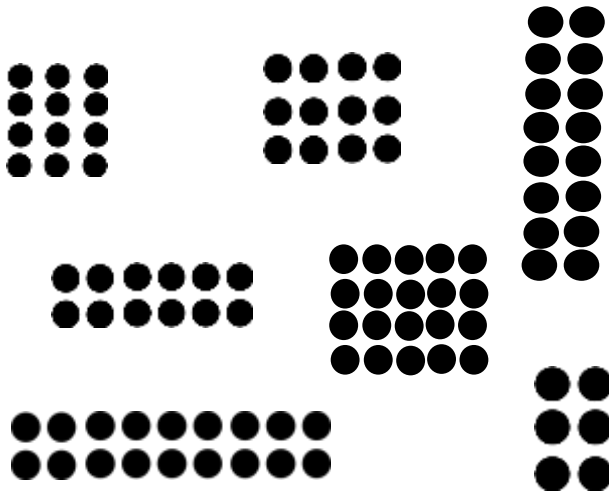
Year 2 Multiplication and arrays

This week we are going to continue with our work on multiplication and arrays.

Look at the table below, can you match the repeated addition calculations to the correct multiplication question.

$3 + 3 + 3 + 3$	6×2
$2 + 2 + 2$	4×5
$6 + 6$	3×4
$4 + 4 + 4$	3×7
$5 + 5 + 5 + 5$	3×2
$7 + 7 + 7$	5×9
$8 + 8$	4×3
$9 + 9 + 9 + 9 + 9$	2×8

When have matched the calculations can you match it to one of the arrays below.



What's an Array?

An **array** is a group of objects, pictures, or numbers in columns and rows.
A **rectangular array** is a group of objects that are arranged in equal rows and columns.

rows

columns

Challenge

a

b

Explain which Bar model is correct and why?

The total is 12, what could the addition and multiplication be?

Continue to use the websites below to help with your time tables:

Times Tables Rock stars—Use your school login
Hit the button—no log in needed

<https://www.topmarks.co.uk/maths-games/hit-the-button>

Look at the example below:

I have a multiplication question. I have then drawn an array, wrote down the matching repeated addition calculation, drawn a bar model and wrote a stem sentence to describe what the calculations shows and then the corresponding division fact. On page 2 I would like you to do the same for those multiplication questions.

$3 \times 2 = 6$

$2 + 2 + 2 = 6$

6		
2	2	2

6 altogether
3 groups
2 in each group

$6 \div 3 = 2$



- 1) Write down the matching repeated addition calculation
- 2) Draw an array
- 3) Draw a bar model
- 4) Write the stem sentence
- 5) Write down the corresponding division fact

$$4 \times 2 = 8$$

$$3 \times 5 = 15$$

$$7 \times 2 = 14$$

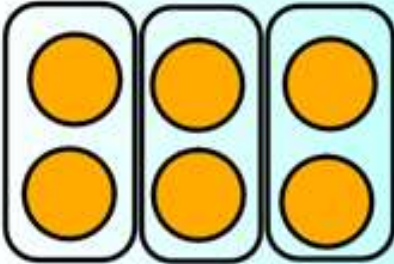
$$6 \times 3 = 18$$

$$5 \times 2 = 10$$

$$4 \times 5 = 20$$

Example

$3 \times 2 = 6$



$2 + 2 + 2 = 6$

6		
2	2	2

6 altogether
3 groups
2 in each group

$6 \div 3 = 2$