

KEY INSTANT RECALL FACTS

YEAR 2 – SPRING 1

I CAN RECALL THE 2 X TABLE AND RELATED DIVISION FACTS

By the end of this half term, children should be able instantly recall the 2 x table and related division facts.

Please note, where we have provided links to online activities, we expect children to seek parent/carer permission to do this first.

At this point, children should already be able to count in twos:

0 2 4 6 8 10 12 14 16 18 20 22 24

They should also be able to say that all numbers in the 2 x table are even.

To make the link from this step, which is known as repeated addition, to multiplying, it is helpful to use some visual representations:



Here we have 5 groups of 2 frogs.

We can use $2 + 2 + 2 + 2 + 2$ to work out the answer (this would be done by counting in twos).

However, it is much quicker to recall $5 \times 2 = 10$ once this fact has been memorised.

Speed of recall is important; the faster this can be done the better.

Start by looking at all the 2 x table number sentences in order:

$0 \times 2 = 0$	$6 \times 2 = 12$
$1 \times 2 = 2$	$7 \times 2 = 14$
$2 \times 2 = 4$	$8 \times 2 = 16$
$3 \times 2 = 6$	$9 \times 2 = 18$
$4 \times 2 = 8$	$10 \times 2 = 20$
$5 \times 2 = 10$	$11 \times 2 = 22$
	$12 \times 2 = 24$

Children should be able to identify the counting in twos pattern in the answer. They may also notice that the answer for each number sentence is double the number they are multiplying by 2 (they learnt doubles in Year 1).

Practice makes perfect

The more practice children do, the more rapidly they will secure their times tables. Try these online questions:

<https://www.timestables.co.uk/2-times-table.html>



Try asking your child times tables questions at random moments, to see if you can catch them out – this makes it playful?

Some examples:

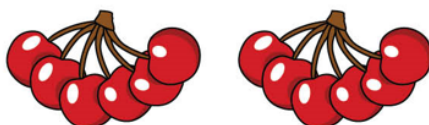
$$8 \times 2 = ?$$

How many feet do 7 people have?

What do you multiply 2 by to equal 10?

How many groups of 2 make 24?

Once your child is confident with multiplying by two, they can apply their knowledge to dividing by 2. This is how we introduce this concept:



There are 12 cherries.

There are groups.

There are cherries in each group.

$$12 \div 2 = \text{} \qquad 2 \times \text{} = 12$$

You will notice how the link to the 2 x table is made: if $2 \times 6 = 12$, then $12 \div 2 = 6$. Using multiplication to solve 2 x table division problems is the quickest method.

Try these, using the same approach:

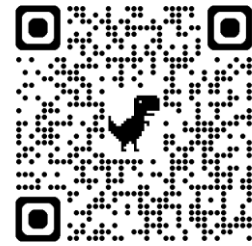
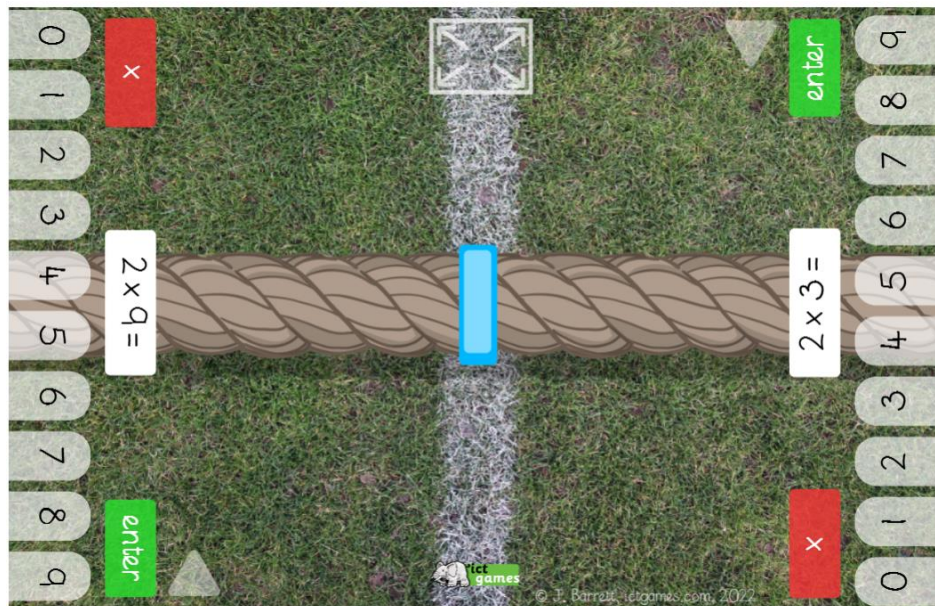
<https://www.iknowit.com/lessons/c-dividing-by-2s.html>



For further practice, try one of these online games:

Tug of war: a 2 player game – the fastest wins! Make sure you only choose 2 x table from the menu.

<https://ictgames.com/mobilePage/tugofwar/index.html>



Pop 'n' drop: How many number sentences can you come up with in a minute? Choose 2 x table before starting.

https://ictgames.com/mobilePage/pop_n_drop/index.html



Multiplication table of 2: Fly the broomstick into the correct answer

<https://wordwall.net/resource/55227085/multiplication-table-of-2>



Finally, test your division skills with **Caterpillar Carnage**:

From the menu, choose 'division facts' and then select 'division facts for 2 x table'.

<https://mathsframe.co.uk/en/resources/resource/592/Caterpillar-Carnage>

