

02.06.20

WALT: Know the 10x table

Lesson taken from BBC bitesize: <https://www.bbc.co.uk/bitesize/articles/zk89d6f>

Learn the 10 times table by counting in tens and looking at arrays and number patterns.

This lesson includes:

- one video
- four activities

Learn

The 10 times tables

Watch this [KS1 Maths](#) video from Supermovers and listen to Webster the Spider sing the 10 times tables.

Counting in tens

Here is a counting pattern:

10, 20, 30, 40, 50, 60, ...

This pattern **goes up in tens**.

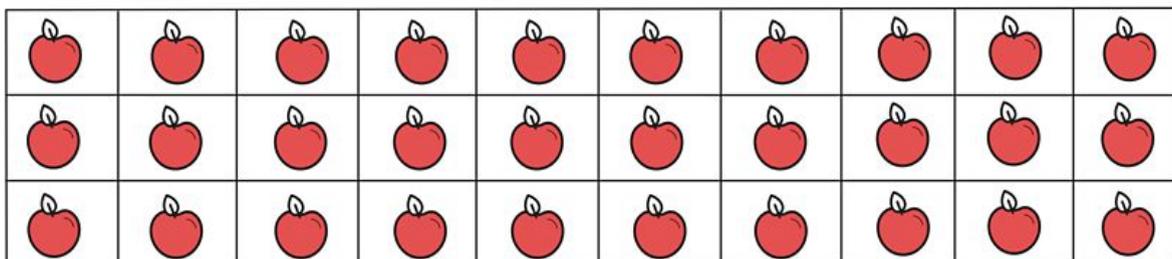
From each number, we add 10 to get the next number.

Can you count on in tens to get to 120?

Groups of 10

This array has 10 apples in each row.

There are 3 rows, making 3 lots of 10.



As repeated addition this is:

$10 + 10 + 10$

Or 3 lots of 10 is the same as 3×10 and $3 \times 10 = 30$

$1 \text{ lot of } 10 = 10$

$2 \text{ lots of } 10 = 20$

$3 \text{ lots of } 10 = 30$

$4 \text{ lots of } 10 = 40$

$1 \times 10 = 10$

$2 \times 10 = 20$

$3 \times 10 = 30$

$4 \times 10 = 40$

This set of number facts are from the 10 times table.

Example 1

This number track shows the 10 times table. Some numbers are missing.

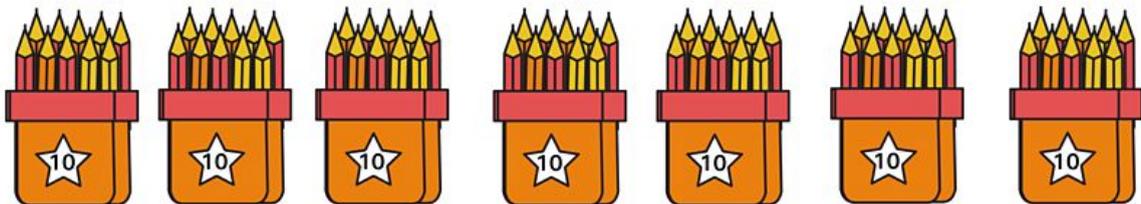
10	20		40	50	60		80	90		110	120
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- Can you work out which numbers are missing?
- How did you work out the missing numbers?

Example 2

A box of pencils contains 10 pencils.

- How many boxes of pencils will make 70 pencils?



Through repeated addition this is:

$10 + 10 + 10 + 10 + 10 + 10 + 10 = 70$

Or you could do this through multiplication:

$7 \text{ lots of } 10 = 70$

$\text{so } 7 \times 10 = \underline{70}$

Top tip

Remember that every number in the 10 times table always ends in 0.

Practise

Activity 1

Practise counting up and down in tens from 0 to 120.

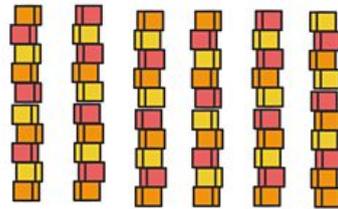
0	10	20	30	40	50	60	70	80	90	100	110	120
120	110	100	90	80	70	60	50	40	30	20	10	0

Now, have a look at these four different representations showing groups of 10s.

a



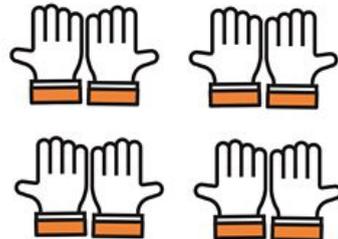
b



c



d

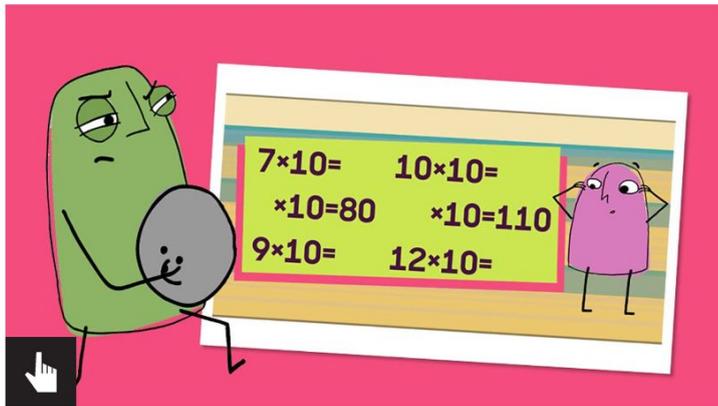


Think about how you would show each one as:

1. an array
2. a repeated addition
3. a multiplication

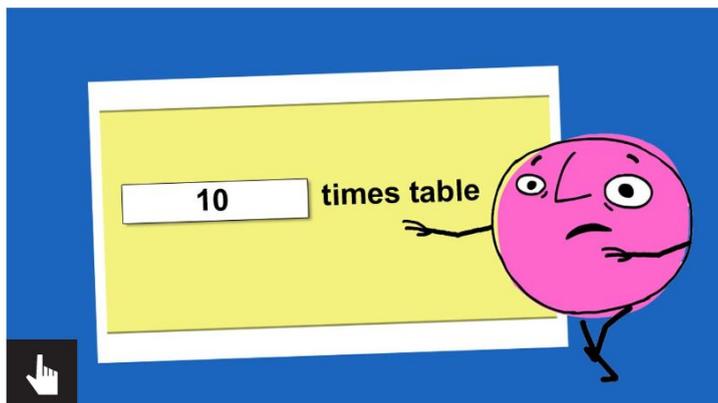
Activity 2

Have a go at this 10 times table interactive activity and see if you can get all the questions right.



Activity 3

Now try this 10 times table interactive activity and see how you get on.



Activity 4

Karate Cats

Play the multiplication and division level of Karate Cats Maths - can you collect a cool new costume for your cats?



Game - Karate Cats Maths

KS1 Maths