

How many blue vehicles are there?



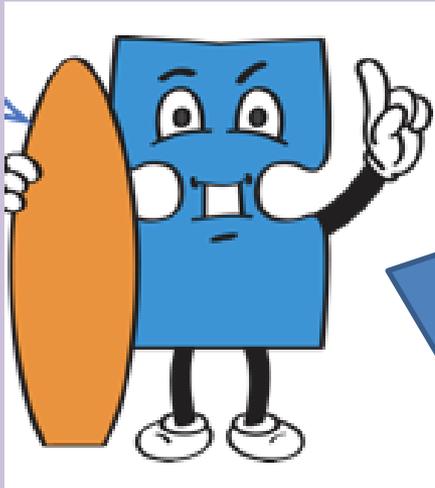
Did you move, touch or order the objects to support your counting?

M3a. Can double numbers up to 10 using practical objects and extend to 20



= teacher notes

What I will be looking for today



You will have lots of chances to demonstrate your resilience skills today.

Here's what I'll be looking for:

- Using practical objects to help you
- Asking for help if you need it
- Challenge yourself



Teacher information

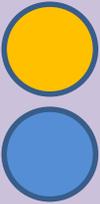
Whilst pictures are provided throughout the therapy to demonstrate the skills, please use objects from around the classroom to complete all of the tasks in the therapy.

It's ideal if children have access to a range of practical equipment such as cubes, counters and toys to assist them with their doubling. You can also use things around the house like peas to assist. It would also be useful to have a number line.

Double numbers to 10

Doubling is the same as repeated addition.

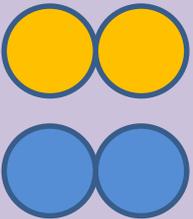
Double 1



$$\text{Double } 1 = 2$$
$$1 + 1 = 2$$

Now check your
answer by counting
the counters

Double 2



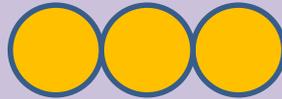
$$\text{Double } 2 = 4$$
$$2 + 2 = 4$$

Can you do it in
two groups of 2?
2, 4

Double numbers to 10

What is double 3? Show me.

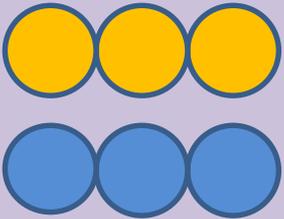
Double 3



Double numbers to 10

Let's check this together.

Double 3



Double 3 = 6

$$3 + 3 = 6$$

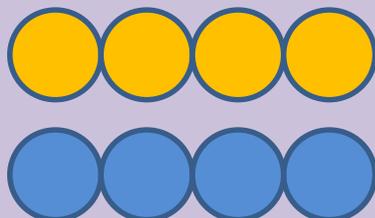
Now check your
answer by
counting the
counters

Double numbers to 10

Now you have a go.

1. Show me the counters.

Double 4

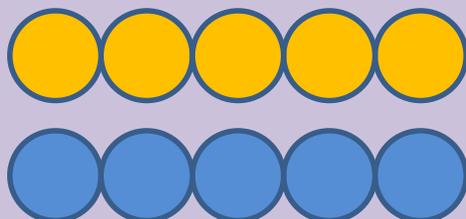


= 8

3. How many are there now?

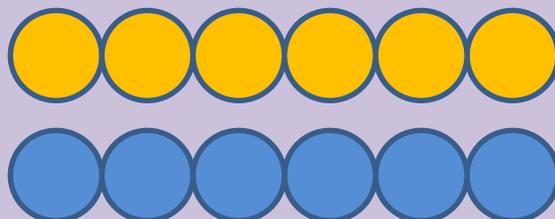
2. Double the counters.

Double 5



= 10

Double 6



= 12

Double numbers to 10

Doubling is finding two lots of a number or group of objects.

Double 1



Double 1 = 2

Two lots of 1 = 2

Check using
your
Numicon
number 2



Double 2



Double 2 = 4

Two lots of 2 = 4

Check
using your
Numicon
number 4



Double numbers to 10

What is double 3? Show me.

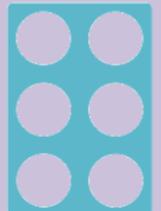
Let's check this together.

Double 3



Double 3 = 6
Two lots of 3 = 6

Check
using your
Numicon
number 6



Double numbers to 10

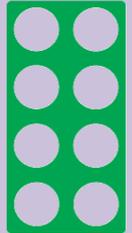
Now you have a go.

Double 4

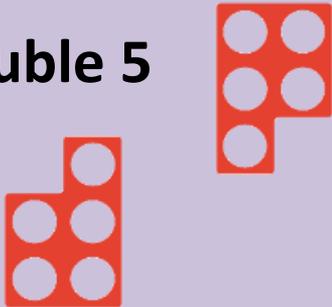


Double 4 = 8
Two lots of 4 = 8

Check using
your Numicon
number 8



Double 5



Double 5 = 10
Two lots of 5 = 10

Check using
your Numicon
number 10



Double 6



Double 6 = 12
Two lots of 6 = 12

Check using
your Numicon
number 10
and 2



Double numbers to 10

Now it's your turn.

Double 7

Double 8

Double 9

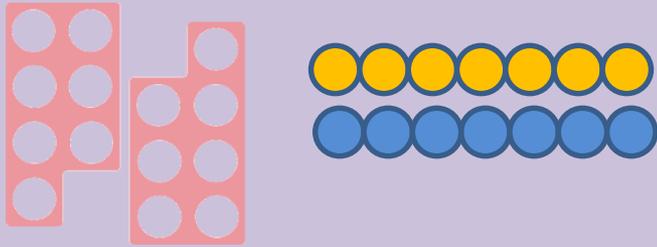
Double 10

Which resource will you use to help?

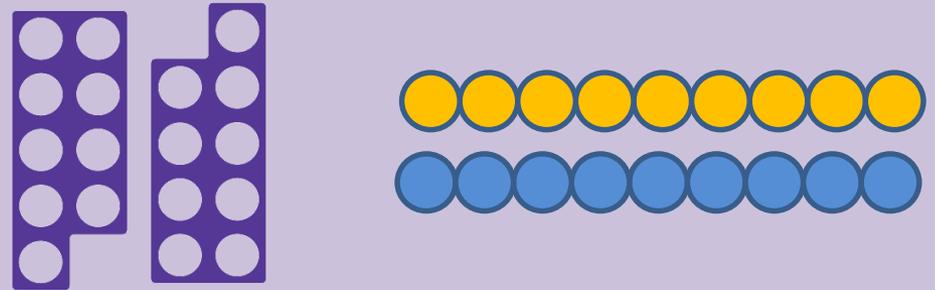
- Count out the number
 - Double it using your resource
- Count to find your answer

Double numbers to 10

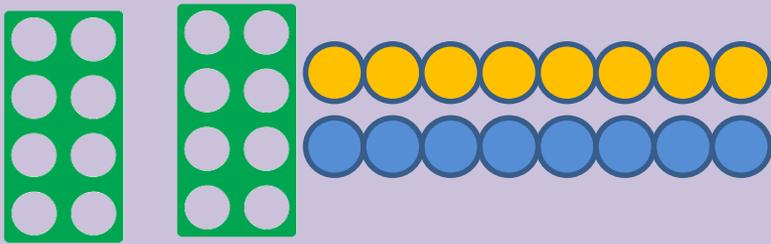
Double 7 = 14



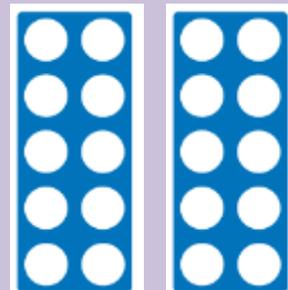
Double 9 = 18



Double 8 = 16



Double 10 = 20



What other resources in the classroom could you use to help you?



Teacher information

We will now extend the concept to numbers up to 20.

Do not continue to these larger numbers until children are secure with doubling numbers up to 10.

Doubling numbers to 20

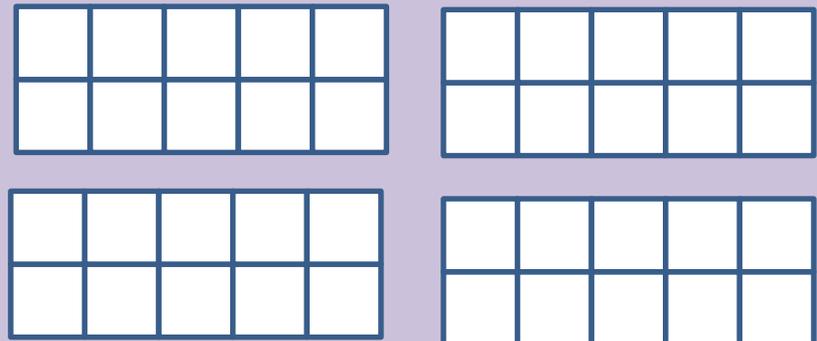
We can double larger numbers in the same way.

Double 11

1. Count out the number twice.



2. Count to see how many counters there are altogether.



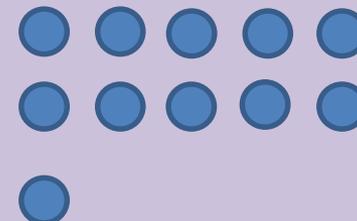
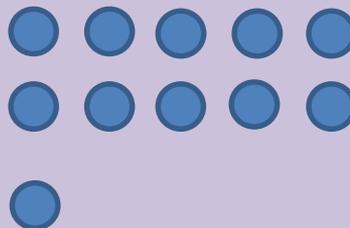
A tens frame can help us to count larger numbers.

Doubling numbers to 20

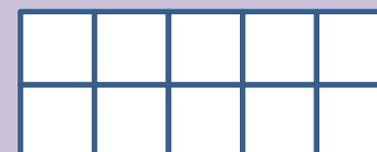
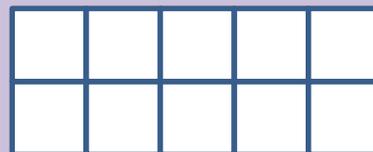
We can double larger numbers in the same way.

Double 11 = 22

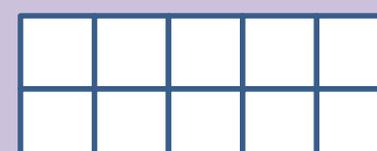
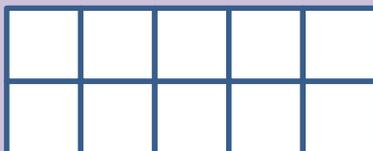
1. Count out the number twice.



2. Count to see how many counters there are altogether.



A tens frame can help us to count larger numbers.



Doubling numbers to 20

Now it's your turn. Choose your resource to help you.

Double 12

Double 13

Double 14

Double 15

- Count out the number
 - Double it using your resource
- Count to find your answer



Show Me Tasks

Once the therapy has been delivered you can use Show Me Tasks to demonstrate that the skill is now secure. They are not intended to be completed all at once and ideally should be done in intervals of a few days after the lesson has been delivered. The challenge in the tasks is progressive.

For these doubling tasks, please provide the children with objects such as counters or Numicon for support.

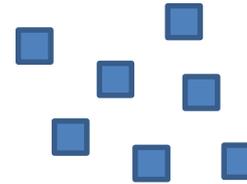
Show Me Tasks

M3a. Can double numbers up to 10 using practical objects and extend to 20

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Hannah has 7 bricks.

Jenny has double this amount.

Draw Jenny's bricks.

The ladybird's spots must be the same on each side.



How many spots should the ladybird have altogether?

George made a tower.



His sister made a tower using **double** the amount of bricks.

How many bricks did his sister use?