Welcome to Maths in Year 2

What Maths looks like in Year 2

- Practical lessons.
- Small step learning. Ping Pong teaching.
- Children exploring concepts with a partner/group.
- Children speaking, explaining and reasoning out loud.
- Children rehearsing stem sentences.
- Children practising (fluency).
- Challenge tasks to deepen learning.

Mastering Number

- In year 2 we teach number fluency in addition to our maths lessons, x4 a week for 10 to 15 minutes.
- With the children we refer to the lessons as 'maths fluency'. We also do fluency practice as warm ups in our maths lessons.
- There is lots of repetition to build fluency.
- Rekenreks!

Adding 1 and 2 | Bonds to 10 | Adding 10 | Bridging/ compensating

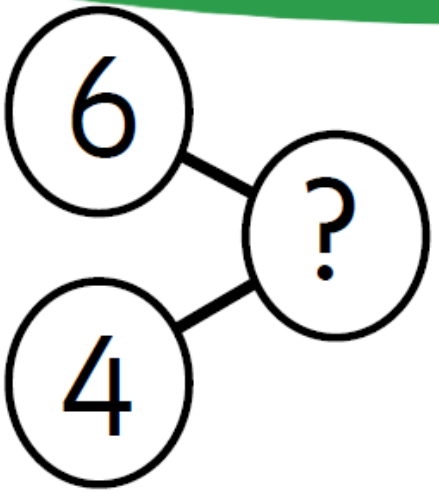
Doubles | Adding 0 | Near doubles

Y1 facts

Y2 facts

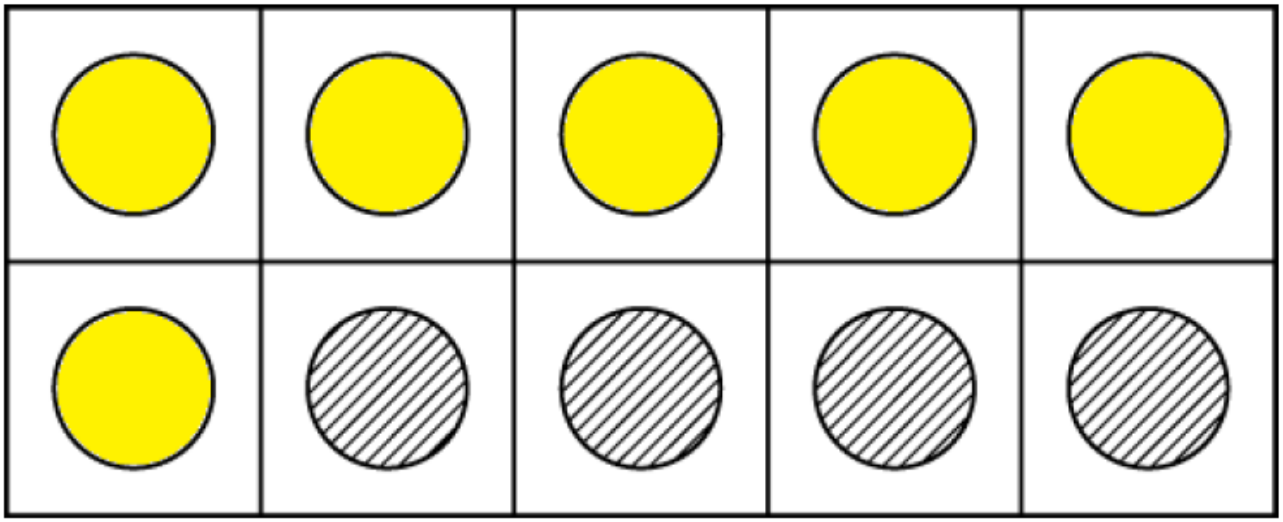
+	0	1	2	3	4	5	6	7	8	9	10
0	0 + 0	0 + 1	0 + 2	0 + 3	0 + 4	0 + 5	0 + 6	0 + 7	0 + 8	0 + 9	0 + 10
1	1 + 0	1 + 1	1 + 2	1 + 3	1 + 4	1 + 5	1 + 6	1 + 7	1 + 8	1 + 9	1 + 10
2	2 + 0	2 + 1	2 + 2	2 + 3	2 + 4	2 + 5	2 + 6	2 + 7	2 + 8	2 + 9	2 + 10
3	3 + 0	3 + 1	3 + 2	3 + 3	3 + 4	3 + 5	3 + 6	3 + 7	3 + 8	3 + 9	3 + 10
4	4 + 0	4 + 1	4 + 2	4 + 3	4 + 4	4 + 5	4 + 6	4 + 7	4 + 8	4 + 9	4 + 10
5	5 + 0	5 + 1	5 + 2	5 + 3	5 + 4	5 + 5	5 + 6	5 + 7	5 + 8	5 + 9	5 + 10
6	6 + 0	6 + 1	6 + 2	6 + 3	6 + 4	6 + 5	6 + 6	6 + 7	6 + 8	6 + 9	6 + 10
7	7 + 0	7 + 1	7 + 2	7 + 3	7 + 4	7 + 5	7 + 6	7 + 7	7 + 8	7 + 9	7 + 10
8	8 + 0	8 + 1	8 + 2	8 + 3	8 + 4	8 + 5	8 + 6	8 + 7	8 + 8	8 + 9	8 + 10
9	9 + 0	9 + 1	9 + 2	9 + 3	9 + 4	9 + 5	9 + 6	9 + 7	9 + 8	9 + 9	9 + 10
10	10 + 0	10 + 1	10 + 2	10 + 3	10 + 4	10 + 5	10 + 6	10 + 7	10 + 8	10 + 9	10 + 10

The Part, Part, Whole Model and Tens Frames



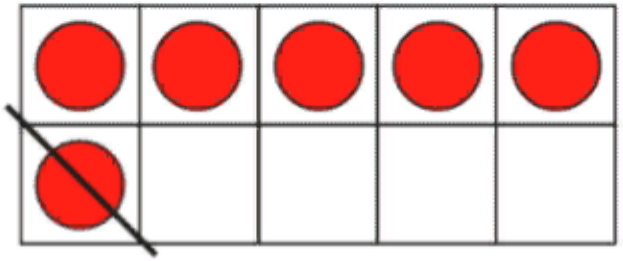
1 part is 6, the other part is 4

The whole is .....

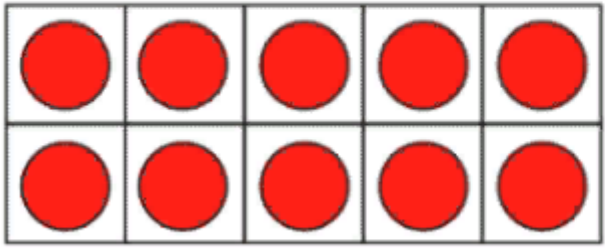


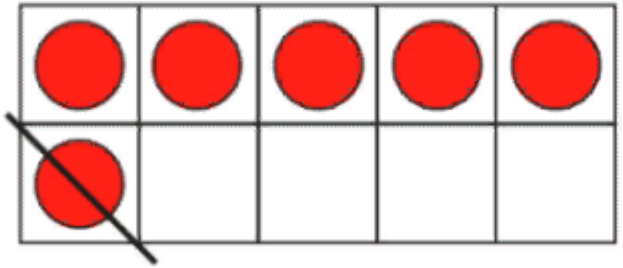
6+4

If you know any fact within 10 you will know your facts within 20.



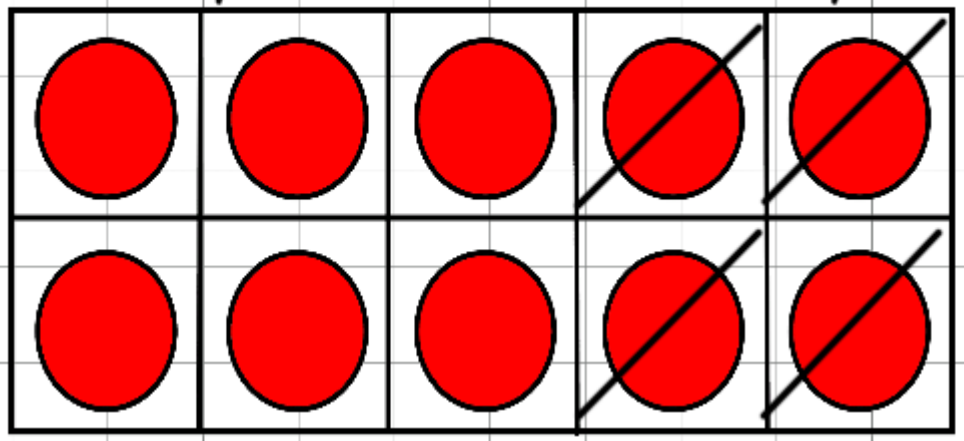
6 - 1 = 5



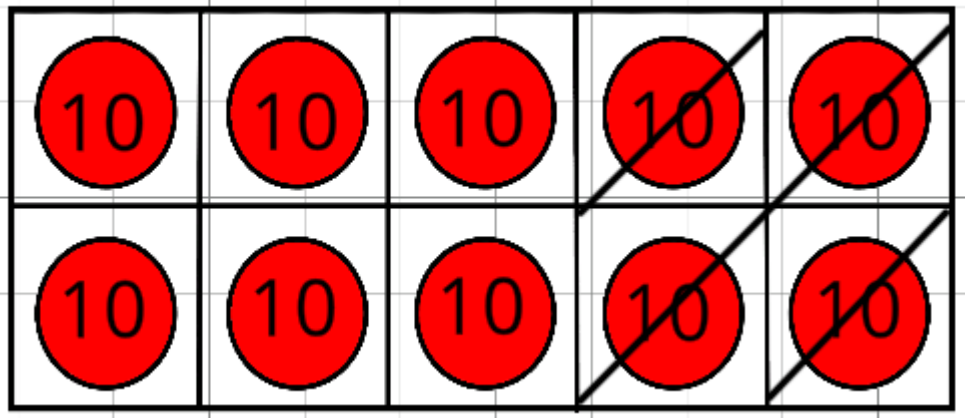


16 - 1 = 15

If you know your facts within 10 you also know them within 100



10 - 4 =

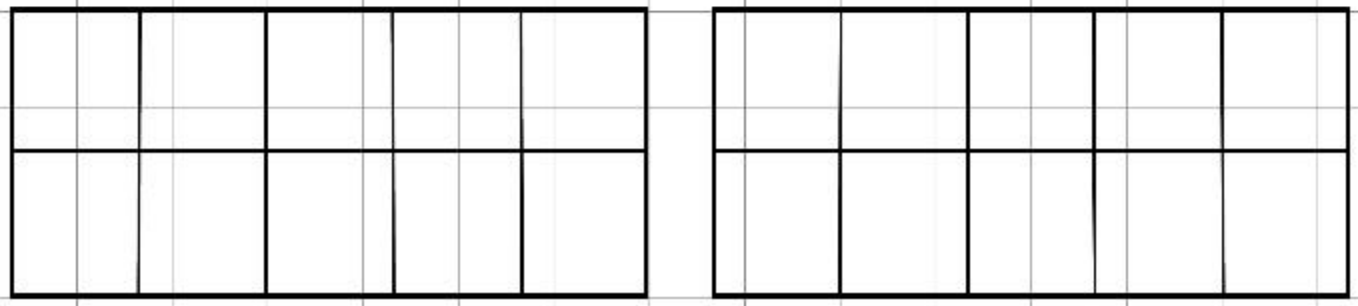


100 - 40 =

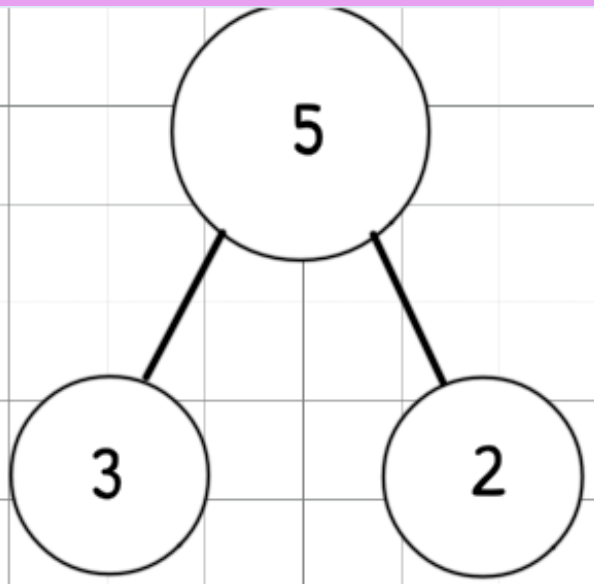
A ride at a funfair has ten seats in each carriage.

You have to fill up the whole carriage before children can get in a new one.

First, there are seven children in the first carriage. Then five more get on. How many children are there altogether?



7 +



7 + 3 = 10

10 + 2 = 12

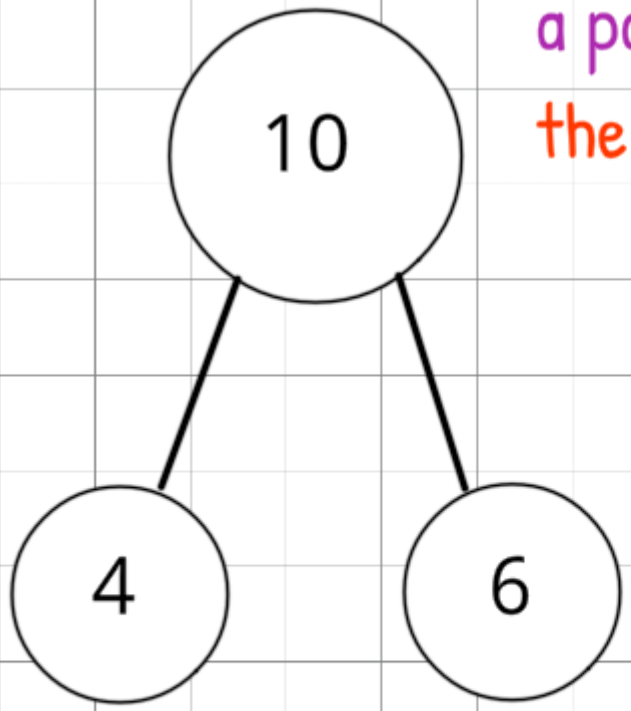
Can you explain what we did?

First I partitioned the _____.

The parts were _____ and _____.

Then _____ + _____ = 10.

Then 10 + _____ is equal to _____



a part + the other part = the whole

the whole - a part = the other part

\+ =

\+ =

\- =

\- =

Can you think of four number sentences to go with this part-part-whole model?