


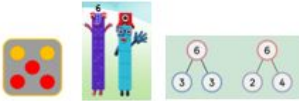
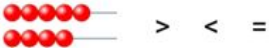



Mastering Number

Number sense Fluency

Will affect how well they do in
maths in KS1, KS2 and KS3

Number Sense

Subitise	
How many?	
Put numbers in order	
Numbers are made of other numbers	
Compare	
Facts and equations	$3 + 2 = 5$ $2 + 3 = 5$ 

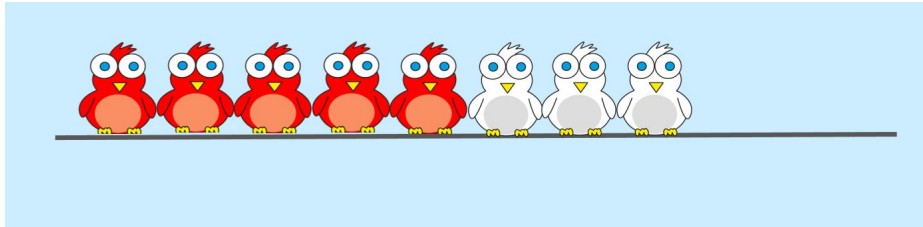
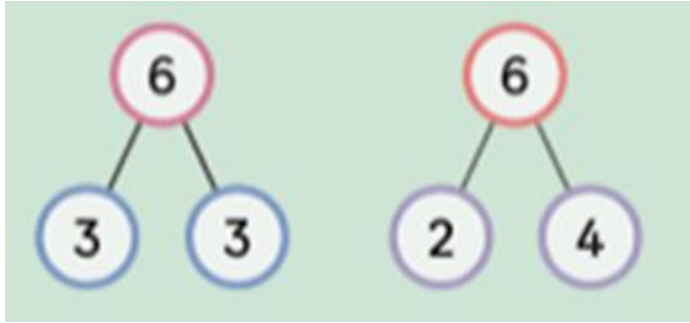
Focus on numbers to 10

and later to 20

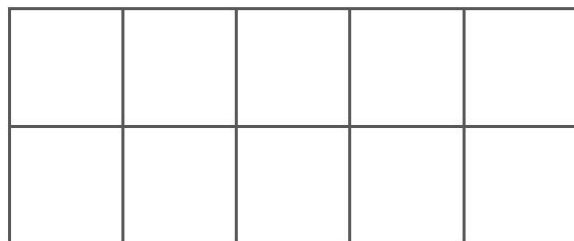
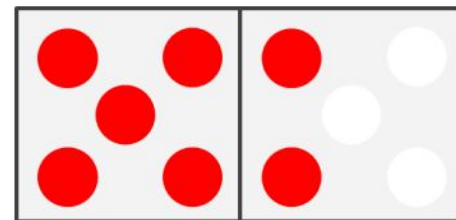
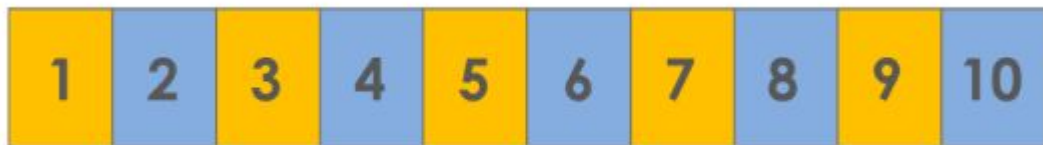
Become mathematically observant.

Be able to describe and explain.

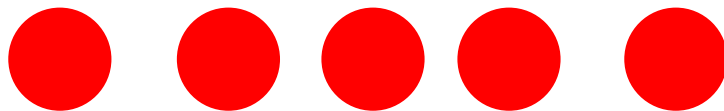
Models and representations



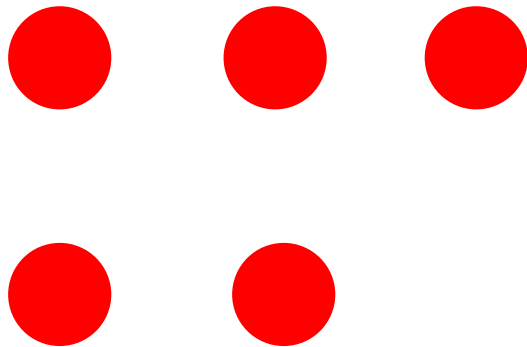
Doing, seeing, noticing, becomes a visual image.



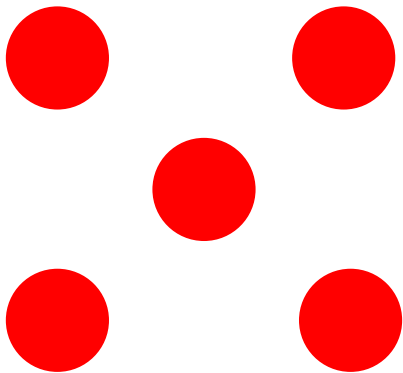
Space



Space



Space





Slow down in order to go faster - resist speeding up

- Focused
- Time to embed

Won't need to reteach - better progress in the long term

Number Blocks CBeebies

BBC Sign in



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CBeebies

Numberblocks

Learn how much fun counting can be with the Numberblocks - a fun-loving group of numbers who work together to solve problems big and small.

135 Episodes Available



Start Watching
Series 1: One



Series 1

Series 2

Series 3

Series 4

Series 5

Specials

Numbersongs



One

Learn all about the number 1 with Numberblock One.



Another One

One bumps into a magic mirror and meets another One.



Two

Learn all about the number two with Numberblock Two.



Three

Learn all about the number three with Numberblock Three.

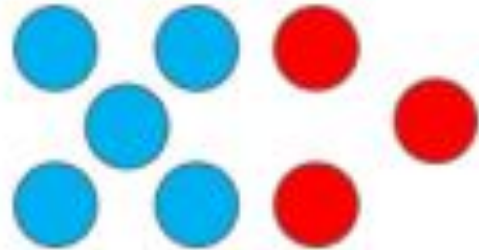
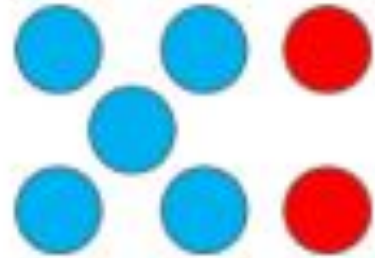
Don't count

Subitise



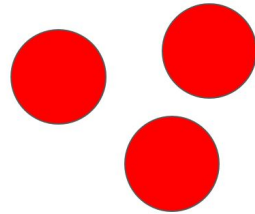
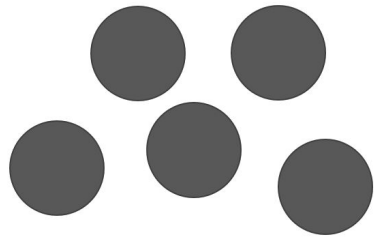
Don't count

Subitise



Don't count

Subitise



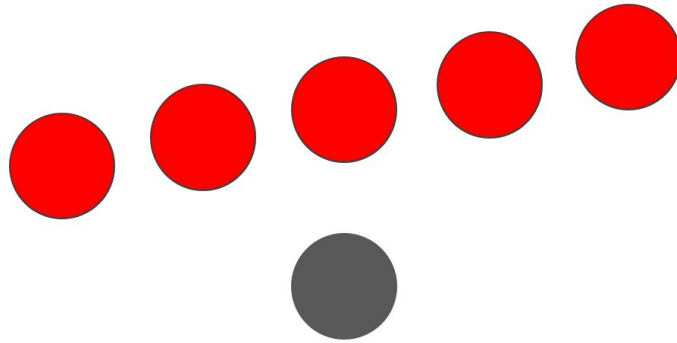
Don't count

Subitise

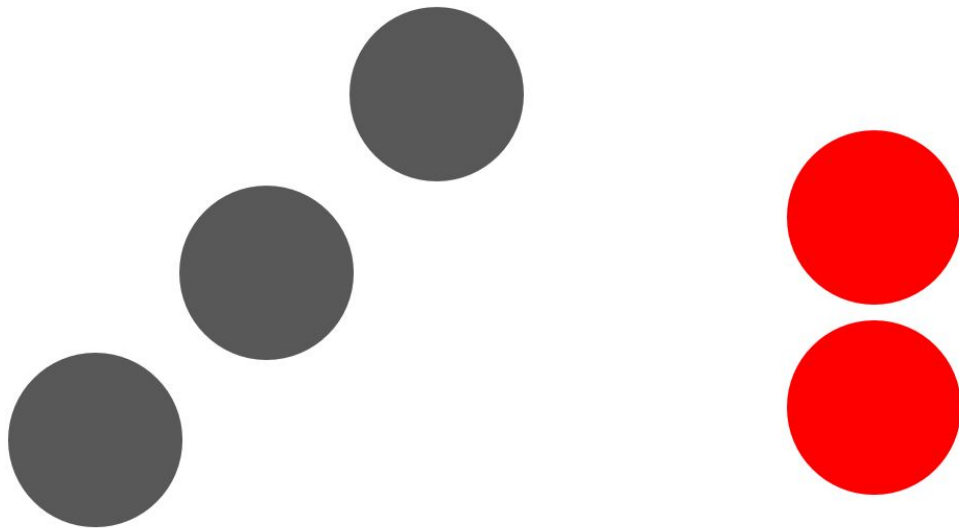


Don't count

Subitise



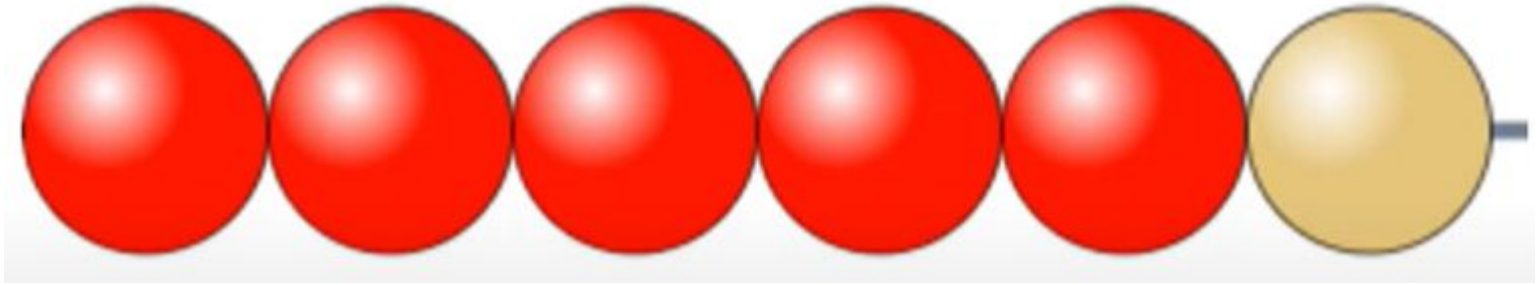
Composition



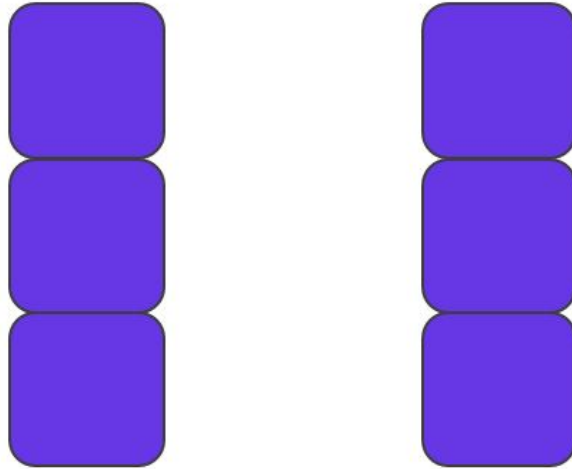
Composition



Composition



Composition

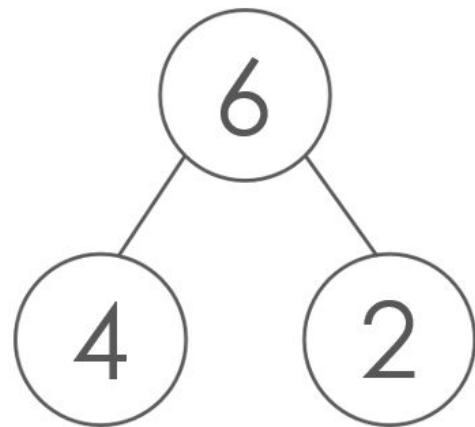
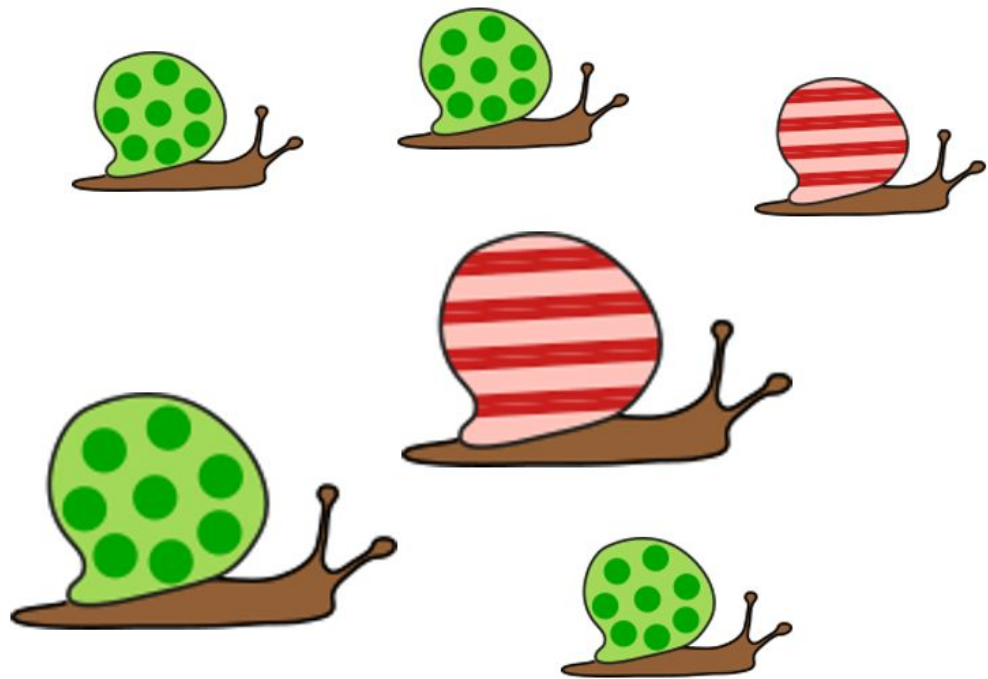


_____ is made of _____ and _____;
_____ and _____ make _____.



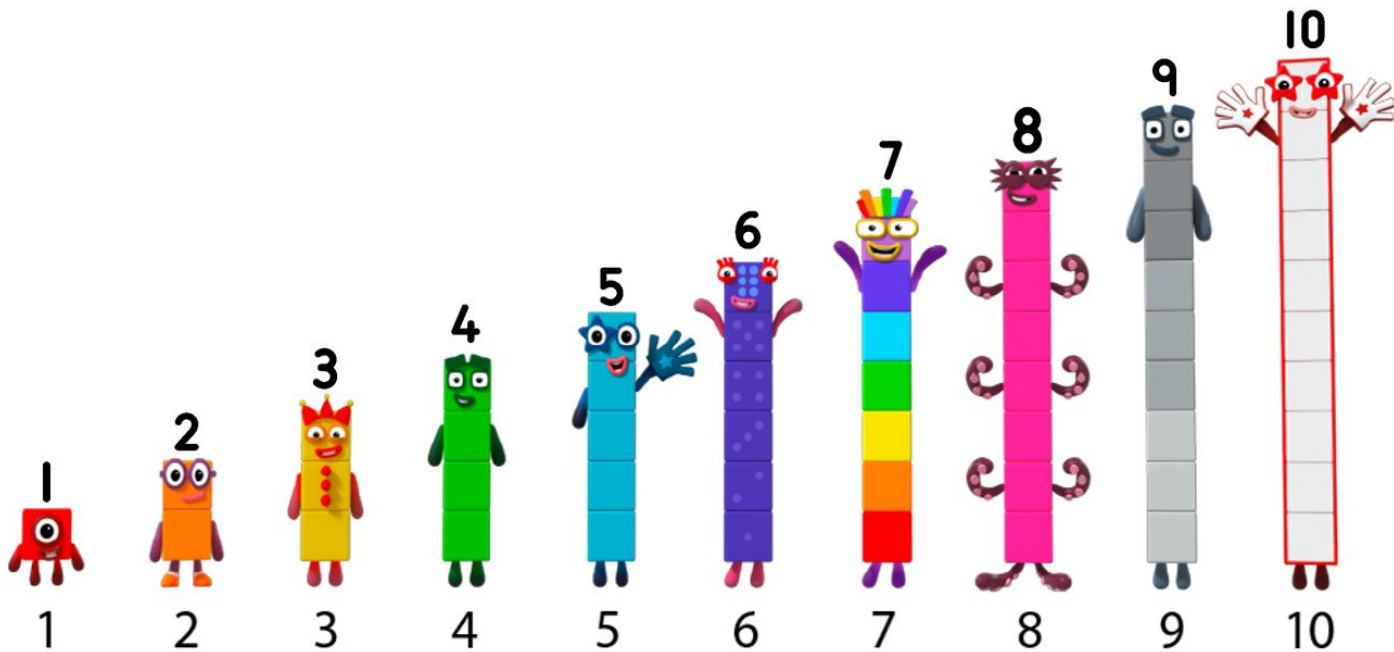
7

_____ is made of 5 and _____;
5 and _____ make _____.



Ordering

Why do the counting numbers make a staircase pattern?



Ordering

1	2	3	4	5	?	7	8	9	10
one	two	three	four	five		seven	eight	nine	ten

First



Then



Then



Now



Comparing

more than

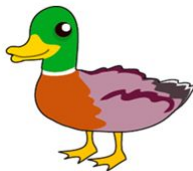
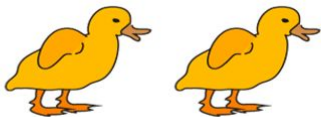
fewer than

less than

not and how you know

Understanding equations

Write all the equations that match the picture



$$2 + 1 = 3$$

$$1 + 2 = 3$$

$$3 = 2 + 1$$

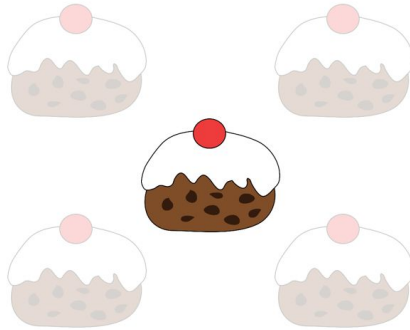
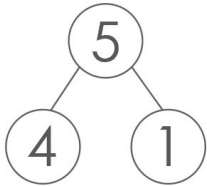
$$3 = 1 + 2$$

Understanding equations

First, there were **5** buns.

Then, **some** buns were eaten.

Now, there is **1** bun.



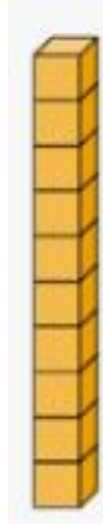
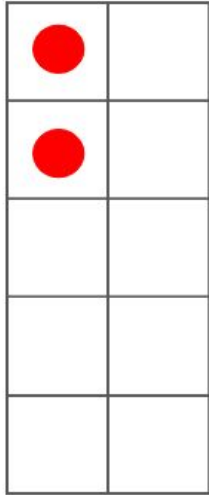
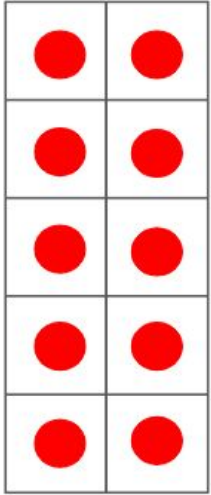
$$5 - 4 = 1$$



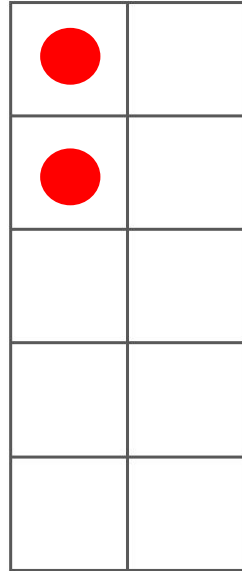
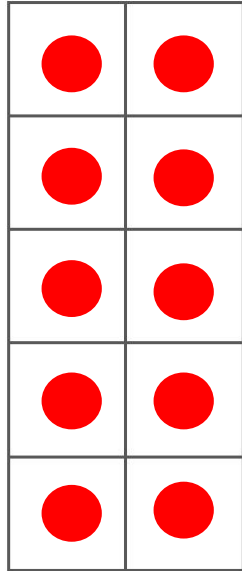
6 socks. 2 are blue. How many are not blue.

$$6 - 2 = 4$$

Numbers to 20



Numbers to 20



Can you tell a snail story using this diagram?

