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Church of England
Primary School

**Number Stay and
Learn**



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Session Aims

An understanding of how we teach
maths in Reception.

How you can help at home.



Counting principles

Stable order - numbers must be said in the same order. Collaborative play where adults model counting and counting out loud with children helps them to do this.

1:1 correspondence – one number to one object (example).

Cardinality – knowing the last number counted/said is how many there are. We call this the “stop” number at school.

Ask your child “How many are there?” after counting objects. They may have counted correctly but can they say what the stopping number was?

Abstraction – counting things that cannot be seen or that are not the same (jumps, claps, different sized objects or collection of things).

Order irrelevance



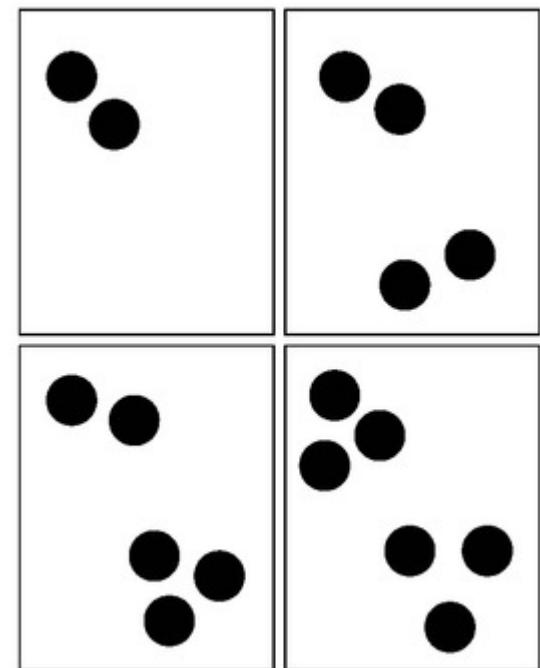
Order does not matter. This is a crucial piece of knowledge when calculating with much larger numbers.



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Subitising

The ability to recognise an amount by sight.





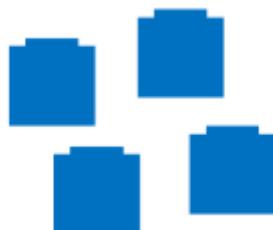
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Subitising

“How many fingers am I holding up?”



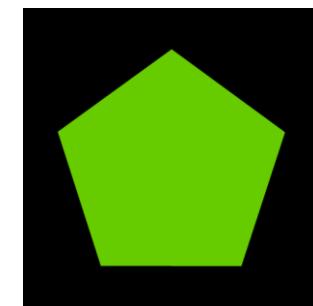
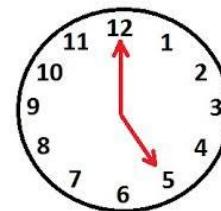
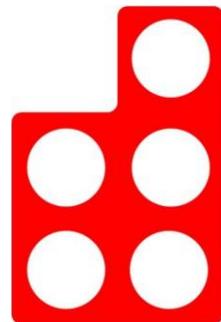
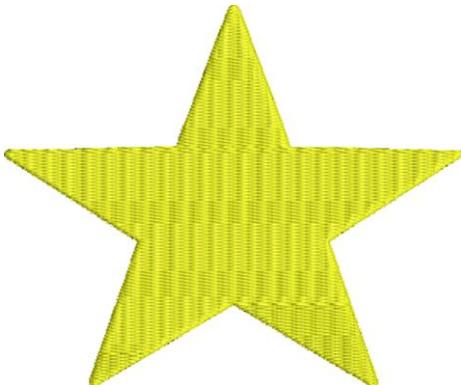
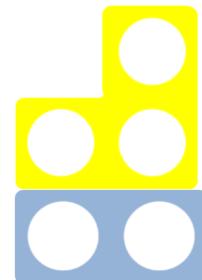
“Can you say how many cubes there are without counting?”



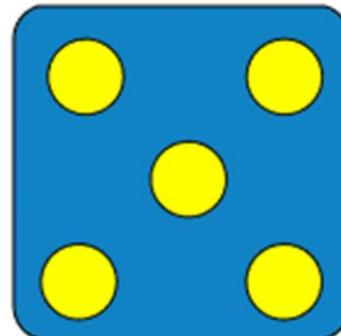


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five



5





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Numberblocks

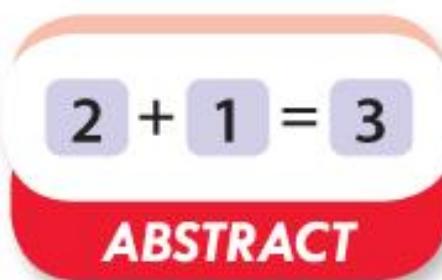
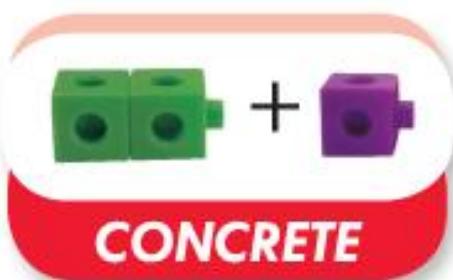


Concepts covered on this programme.
Counting, Cardinality, Composition
Comparison and Change.



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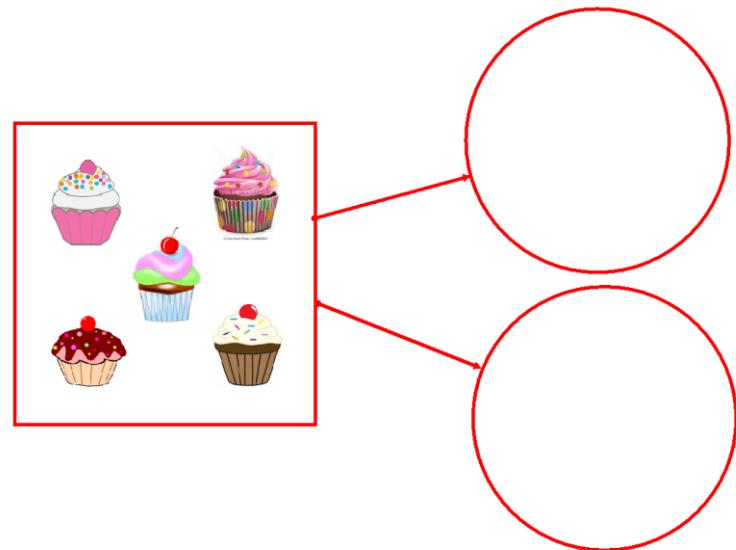
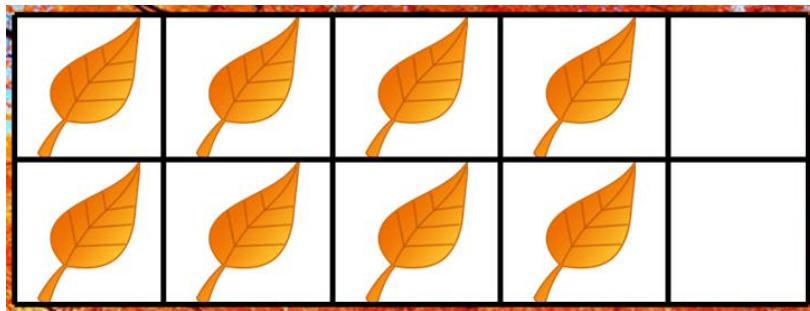
Concrete Pictorial Abstract





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Teaching the composition of number

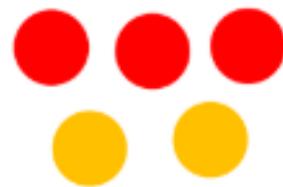




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Subitising

“Can you say how many counters there are without counting?”



“I have collected four blocks, but Teddy is going to hide some. Close your eyes. How many are hiding under the cloth?”





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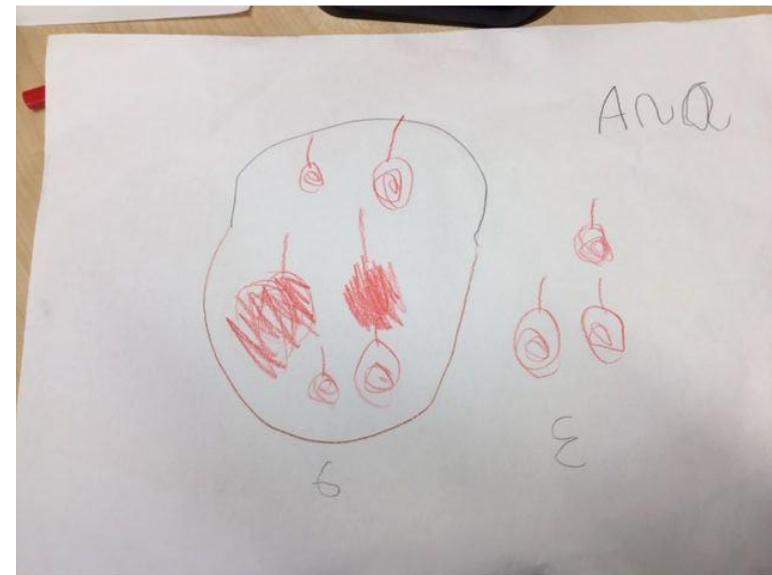
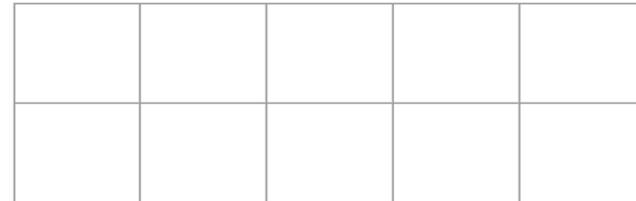
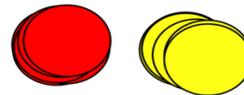
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Maths all around

There are 6 apples in this paper bag. Put 3 more in the bag. Can you say how many there are in the bag now, without looking inside? How could you check your answer?

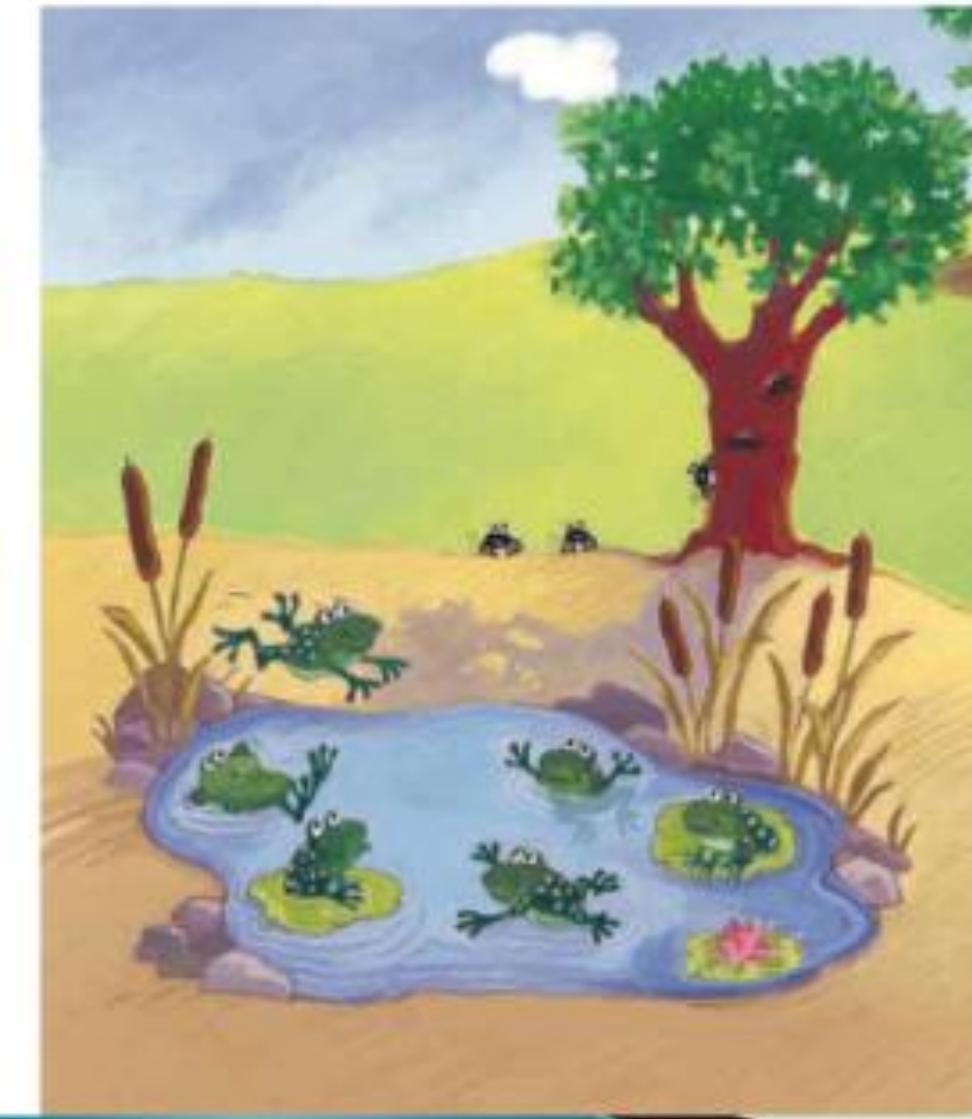


Can you use the counters and ten frames to show 4?



At the Frog Pond

I am going to use the picture to tell a story.



There are two spiders on the ground.

There are three spiders on the tree.

There are five spiders altogether.

At the Frog Pond

I am going to use the picture to tell a story.



2 is a part

3 is a part

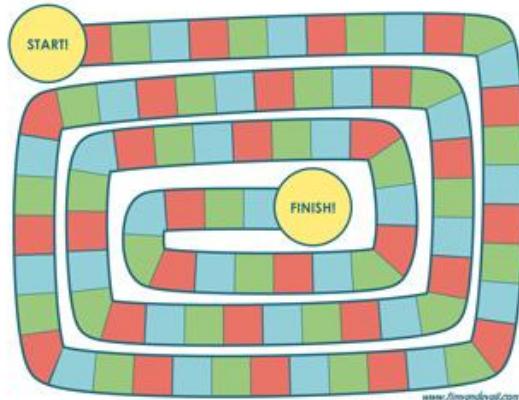
5 is the whole



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Counting beyond ten

track games



Lining up

Self registration

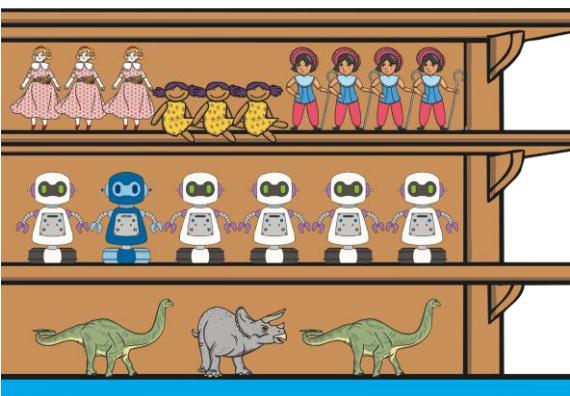


Lunch choices





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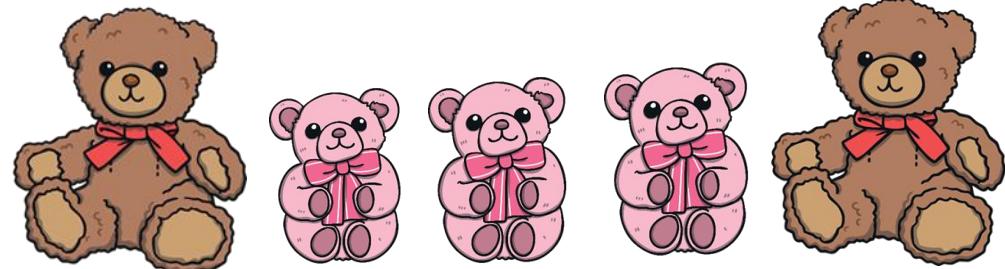
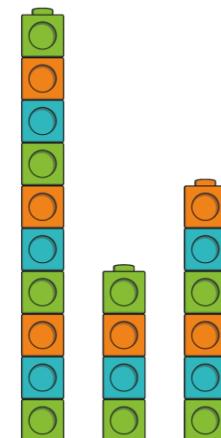


Which shelf contains
the most toys?

Comparison

Which tower contains the fewest bricks?

Who has more?



Are there more big teddy
bears or small teddy bears?



How to help at home

- board games
- card games
- matching games
- scoring, tally charts
- making up number stories that are relevant to interests
- looking for number
- One minute Maths



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Most importantly...



Be positive about
maths!