

Reception

Autumn Term



Parent workshop



Mathematics
Mastery

What is Mathematics Mastery?

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Success for **all** pupils

Based on research and evidence

Problem solving is at the heart

Focus is on depth, not acceleration

Reflects the 2014 National curriculum

Focus on talk and reasoning about mathematics

Language and communication

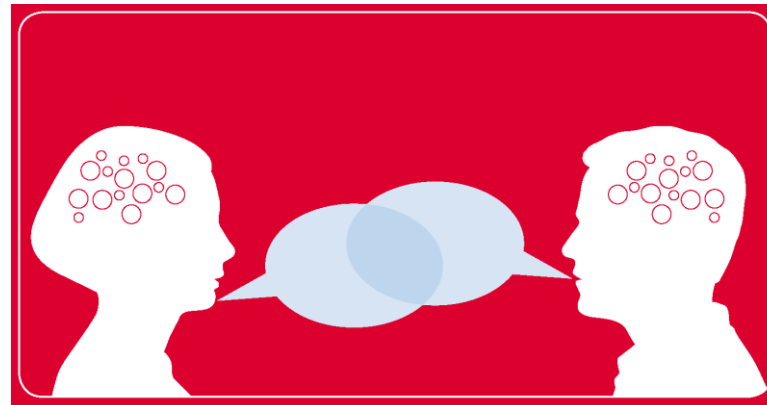
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Key Words

★	first	★	subtract	★
	then		take away	
	now		equation	★
★	less		number line	
	represent		number track	
★		★		★

Can you say that in a full sentence, please?

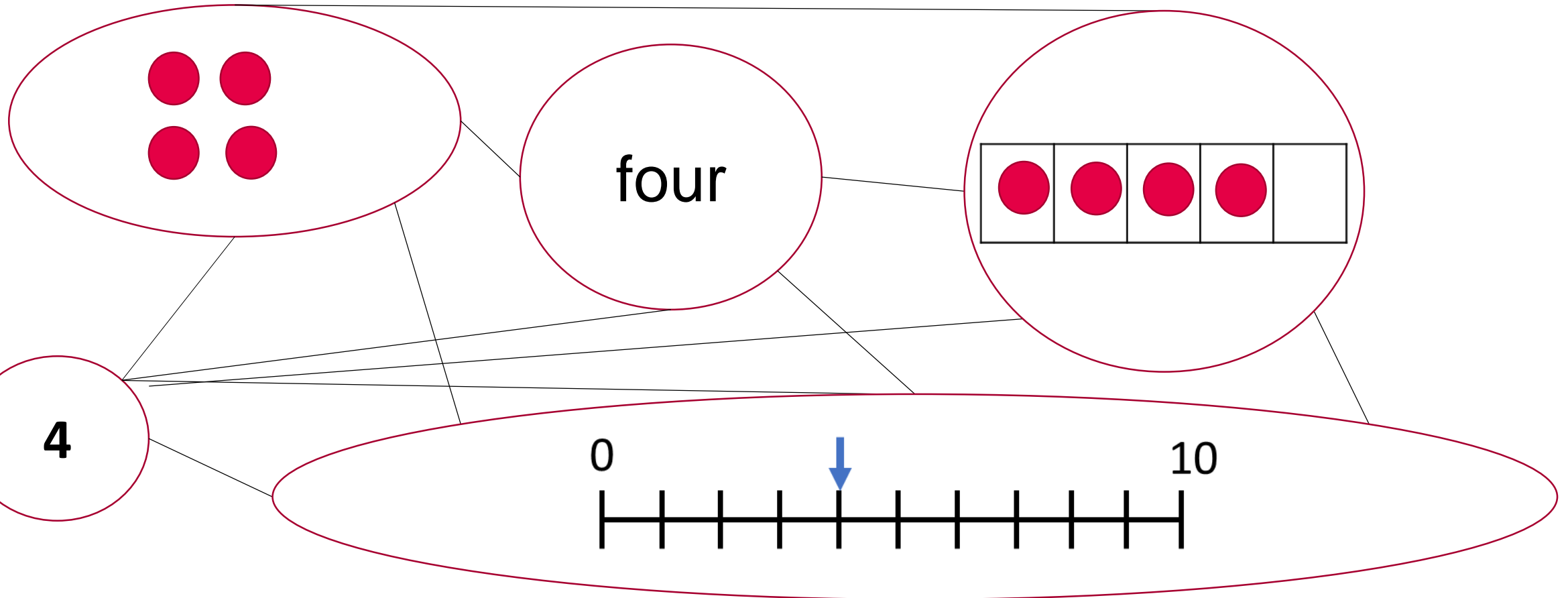


Conceptual understanding

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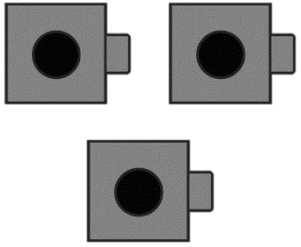
- Representing a concept in different ways
- Making connections between each way to deepen their understanding.



Representing numbers 1 – 6

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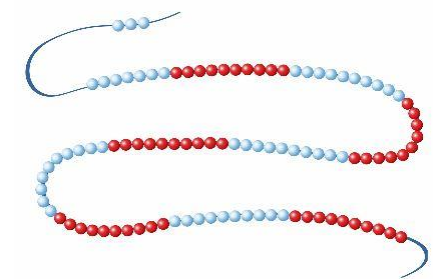
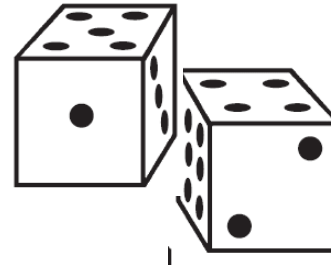
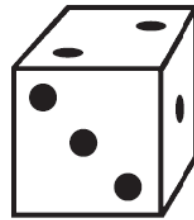


three

How many ways can you represent the number 3?



3

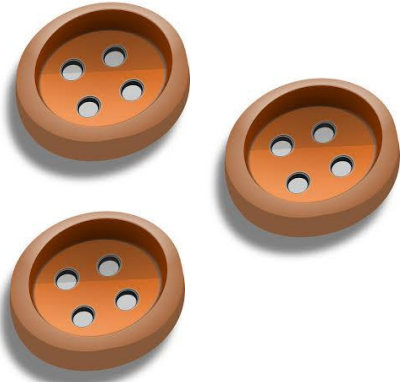


What does each representation tell us about the number three?

Using every day objects and the environment

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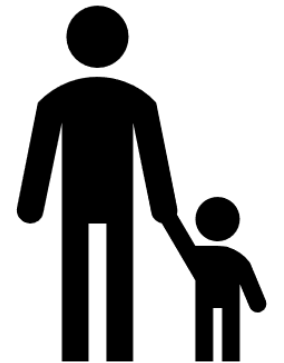
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Forget about the porridge, I made Goldilocks stew



- Games played today
- Exploring the Big Picture and vocabulary in this term's **Maths Pack**
- Talking about maths during “Everyday” routines e.g. shopping, cooking, daily routine, calendar.
- Play board games e.g. snakes and ladders
- Singing e.g. five little speckled frogs
- Picture books

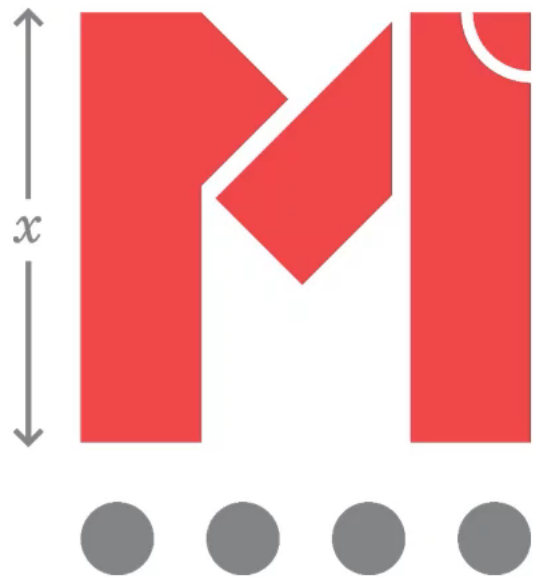


Creating a positive attitude to maths

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- ✓ Talk to your children about everyday maths
- ✓ Play games with them
- ✓ Value mistakes as learning opportunities
- ✓ Recognise that there is more than one way to work things out.
- ✓ Praise children for effort over outcome.
- ✓ Avoid saying things like “I’m useless at maths”.



Early Number Skills

Reception Autumn Curriculum Map

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Early Mathematical Experiences	Pattern and early number	Numbers within 6	
<ul style="list-style-type: none">• Classifying objects based on one attribute• Comparing objects and sets• Ordering objects and sets	<ul style="list-style-type: none">• Recognise, describe, copy and extend colour and size patterns• Count and represent the numbers 1 to 3• Estimate and check by counting	<ul style="list-style-type: none">• Count up to six objects• One more or one fewer• Order numbers 1 – 6• Conservation of numbers within 6	
Addition and subtraction within 6	Measures	Shape and sorting	Calendar and time
<ul style="list-style-type: none">• Explore zero• Explore addition and subtraction	<ul style="list-style-type: none">• Estimate, order, compare, discuss and explore capacity, weight and lengths	<ul style="list-style-type: none">• Describe and sort 3-D shapes• Describe position accurately	<ul style="list-style-type: none">• Days of the week and seasons• Sequence daily events

Website links

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<https://www.bbc.co.uk/cbeebies/shows/numberblocks>



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Thank you



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