



Maths Workshop

Reception



Early Years Foundation Stage

Early Learning Goal - Number

Children at the expected level of development will:

- Have a deep understanding of number to 10, including the composition of each number;
- Subitise (recognise quantities without counting) up to 5
- Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.



Early Years Foundation Stage Mastery Approach

Concrete- The DOING

A child is first introduced to an idea or a skill by acting it out with real objects. This is a 'hands on' component using real objects and it is the foundation for conceptual understanding.

Pictorial-The SEEING

A child has sufficiently understood the hands-on experiences and can now relate them to representations, such as a diagram or picture of the problem.

Abstract - The SYMBOLIC

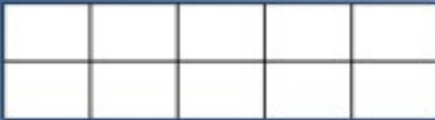
A child is now capable of representing problems by using mathematical notation, for example: $8 + 2 =$



Early Years Foundation Stage Early Learning Goal - Number



Practical
learning in EYFS



0	1	2	3
zero	one	two	three
4	5	6	7
four	five	six	seven

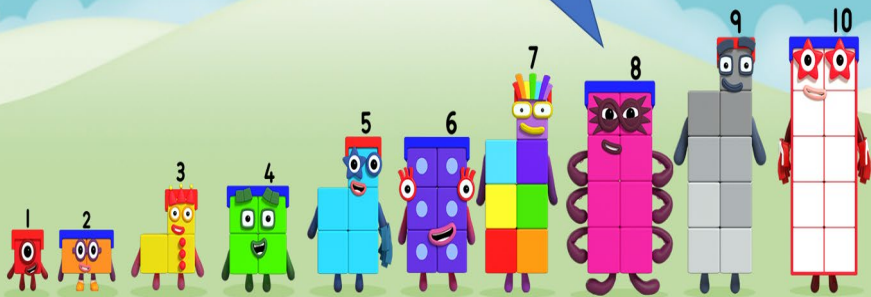




Early Years Foundation Stage NCTEM Lessons



Look carefully! What do you notice about our shapes?



numicon

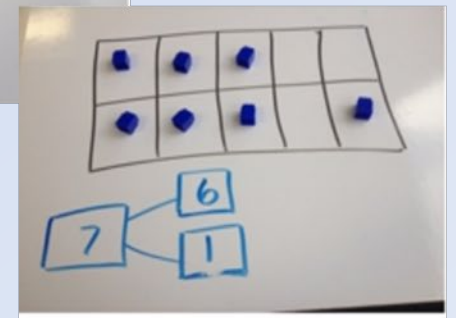
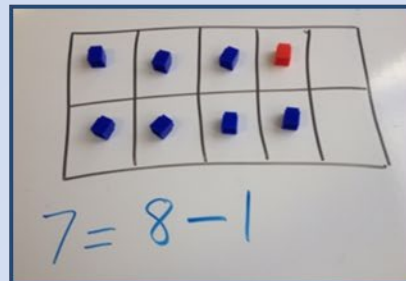
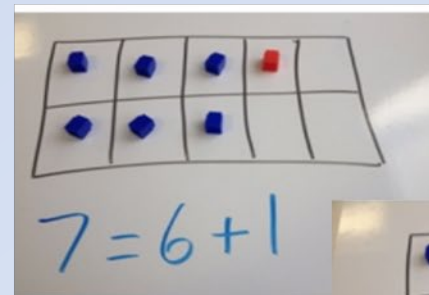
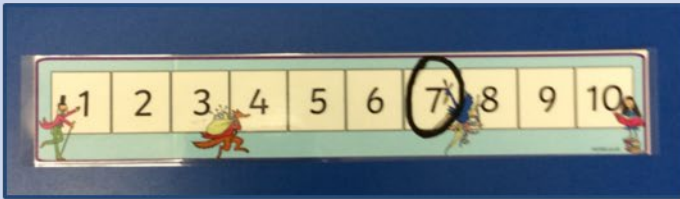
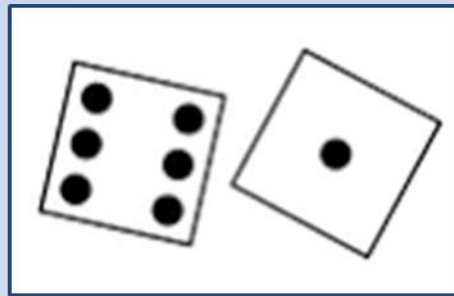
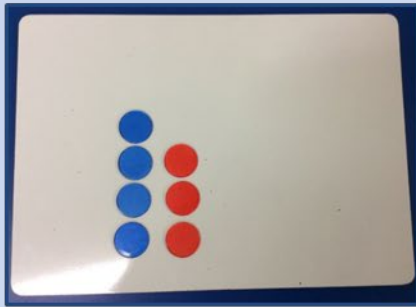
Workspaces Display Delete All Save ?

Numicon Shapes Base-ten Apparatus Keypad Numeral Cards Resources

0 1 2 3 4 5 6 7 8 9 10



Early Years Foundation Stage Focus on Depth



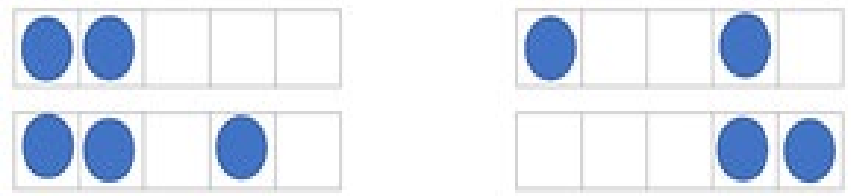


Early Years Foundation Stage Problem Solving

Ideas for Depth

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<p>M</p> <p>What's the same?</p> <p>What's different?</p>	<p>M</p> <p>Maths story</p>																																				
<p>M</p> <table border="0"> <tr><td>●</td><td>●</td><td>●</td><td>1</td><td>2</td><td>3</td></tr> <tr><td>●</td><td>●</td><td>●</td><td>1</td><td>3</td><td>2</td></tr> <tr><td>●</td><td>●</td><td>●</td><td>2</td><td>1</td><td>3</td></tr> <tr><td>●</td><td>●</td><td>●</td><td>2</td><td>3</td><td>1</td></tr> <tr><td>●</td><td>●</td><td>●</td><td>3</td><td>1</td><td>2</td></tr> <tr><td>●</td><td>●</td><td>●</td><td>3</td><td>2</td><td>1</td></tr> </table>	●	●	●	1	2	3	●	●	●	1	3	2	●	●	●	2	1	3	●	●	●	2	3	1	●	●	●	3	1	2	●	●	●	3	2	1	<p>M</p> <p>Odd one out</p>
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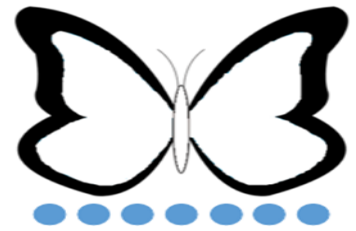
Which is the odd one out?



Which is the odd one out? ✓ ✗



A butterfly's spots have fallen off. How many different ways can you put the spots back on?





Early Years Foundation Stage Home Learning





Early Years Foundation Stage Home Learning

Nrich - <http://nrich.maths.org/frontpage>

A useful website for parents which suggests a range of maths games, problems and articles on all areas of maths. Parents of Key Stage 1 children should select 'stage 1'.

BBC - <http://www.bbc.co.uk/bitesize/ks1/maths/> - useful information for parents, including strategies for learning

www.ictgames.com/resources - offers a range of online games that covers a range of areas

www.mathszone.co.uk - has some fun and interactive games and tools, although you will need to search for the right ones

www.topmarks.co.uk - lots of fun games and activities, you will need to look through to find the relevant area and age range for your child