

Year R - Maths Development - Week 1

Repeating Patterns



	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
Mental Maths (to aid fluency)	I count, you count.	Counting back	Last Man Standing	How many do I have?	One More
Problem/activity of the day	<p>Look at the AB pattern and AAB (see below) pattern ask the children to tell you what they notice.</p> <p>What is the same and what is different? (They may describe the shape pattern or the colour pattern).</p> <p>Can you make your own AB or AAB pattern? Can you describe your pattern? Can someone else continue your pattern?</p>	<p>Using a range of loose parts such as buttons, beads, pebbles, seeds or bits of paper create a variety of different patterns. Create patterns on a wavy line, spiral or zig zag (see below for examples).</p>	<p>Find a pattern: Looking around your home can you find any patterns?</p> <p>Look at curtains, cushions, wallpaper, clothes.</p> <p>Can you copy the patterns you have seen by drawing them? (See below for examples)</p>	<p>Which patterns fit?</p> <p>Using the frames provided (or create your own). Build a pattern around the edge putting one item in each space. Try different patterns to investigate which will fit around the frame exactly and which will not.</p> <p>Which of these patterns will fit exactly around the frames? AB, ABC, ABB, AAB, AABB, AABBC</p>	<p>Design a tie</p> <p>Using the template of a tie (see below) create your own patterned tie. Explain the pattern you have created to someone else.</p> <p>You could create the pattern using coloured pens, shapes or objects.</p>
Resources you will need	Pen and paper, small objects such as buttons, pebbles, leaves, beans or coloured bits of paper	Pen and paper, small objects such as buttons, pebbles, leaves, beans or coloured bits of paper	Pen and paper	Frames, pen and paper, objects such as buttons, pebbles, leaves, beans or coloured bits of paper	Tie outline, pens, small objects such as buttons, pebbles, leaves, beans or coloured bits of paper
Tips, clues or methods to help	Say the pattern order out loud.	Say the pattern order out loud.	Say the pattern order out loud.	Say the pattern order out loud.	Say the pattern order out loud.
Theme	Repeating patterns	Repeating patterns	Repeating patterns	Repeating patterns	Repeating patterns

See below for: Repeating patterns (day 1), example zig zag and swirls (day 2), patterns found in the home (day 3), frames (day 4), tie template (day 5)

Mental Maths:

- "I count, you count". The adult (or older sibling) starts counting, e.g. "1, 2, 3" the child then continues the counting e.g. "4, 5, 6, 7". Repeat until you reach the target number 10, 20 or agree a number to stop at before counting begins. Repeat a couple of times.
- "Last Man Standing". Start the game by standing up. Everyone in the group takes it in turns to say a number or string of numbers (like above). The person who says 20 is out and sits down. Repeat a couple of times.
- "Counting back". Count to and back from 20
- "How many do I have?" Show the children 10 objects (this number can be changed) hide some of the objects e.g. 3. Children to work out how many you have by knowing how many are left from the total, e.g. "There are 7 left do you have 3". Repeat a few times – can the children get quicker at working out the answer?
- "One more". Say a number between 0-5 or 0-10 or 0-20. Children to say the number that is one more than the adult's (or older sibling) number. E.g. adult: "7" child "8".

Day 1:

AB pattern:



AAB pattern:



Day 2:



Day 3:

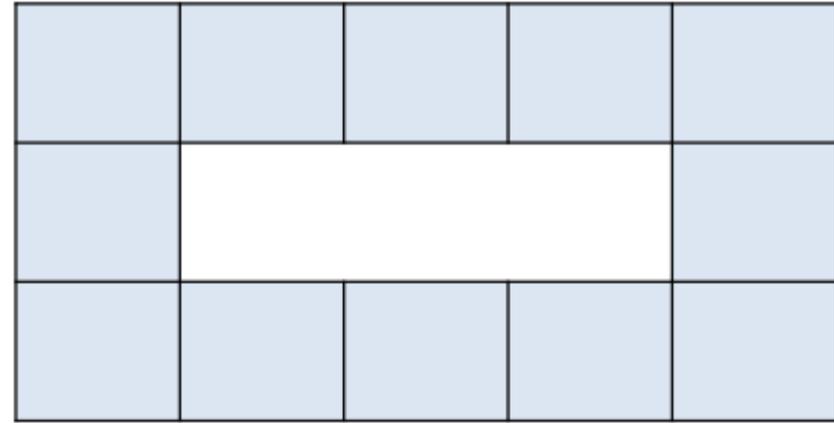
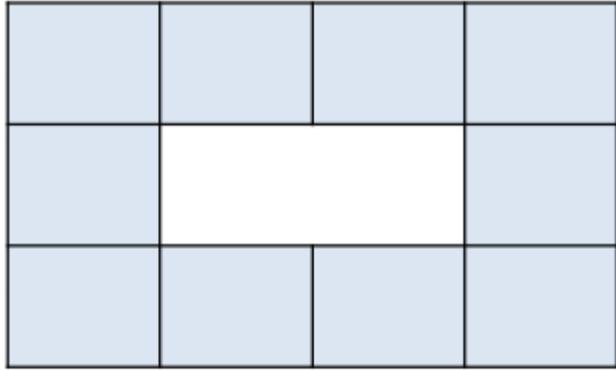
cushions:



socks:



Day 4:



Day 5:

