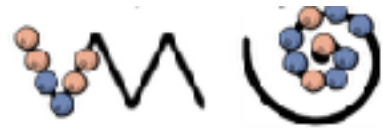


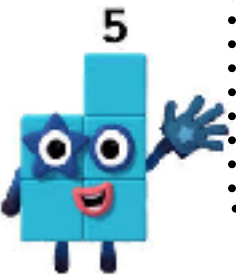


Pattern Chains

Use a piece of string or a shoelace to create a chain then place small loose parts like buttons, pasta or stones on top of the chain - this could be straight, wavy or spiral.



Shape Patterns (see attached sheet)



Potato Stamp Patterns

Make potato stamps with 2 different colours and shapes then have fun exploring more complex patterns.

Ashley Hill Reception Maths Summer Term Week 2

Exploring More Complex Patterns

Progress to patterns with repeats (AAB):

RED RED BLUE

More patterns to try (AAABB):

RED RED RED BLUE BLUE

When making patterns, encourage your child to say the pattern out loud. Also, patterns can be made vertically as well as horizontally.

Fruit Pattern Kebabs

Have a selection of fruit such as banana slices, apple slices, grapes then get your child to add them to a skewer, or place on a plate, in a repeating pattern.



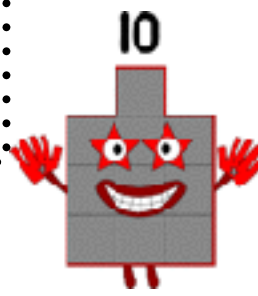
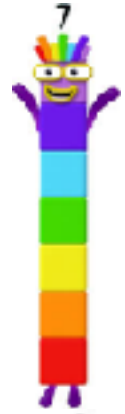
Which Patterns Fit? (see attached sheet)

Play a Pattern
Make 2 musical percussion instruments like noisy shakers (filled with rice or small stones) or drums using tubs or pans then take it in turns to play a pattern for the other to copy.

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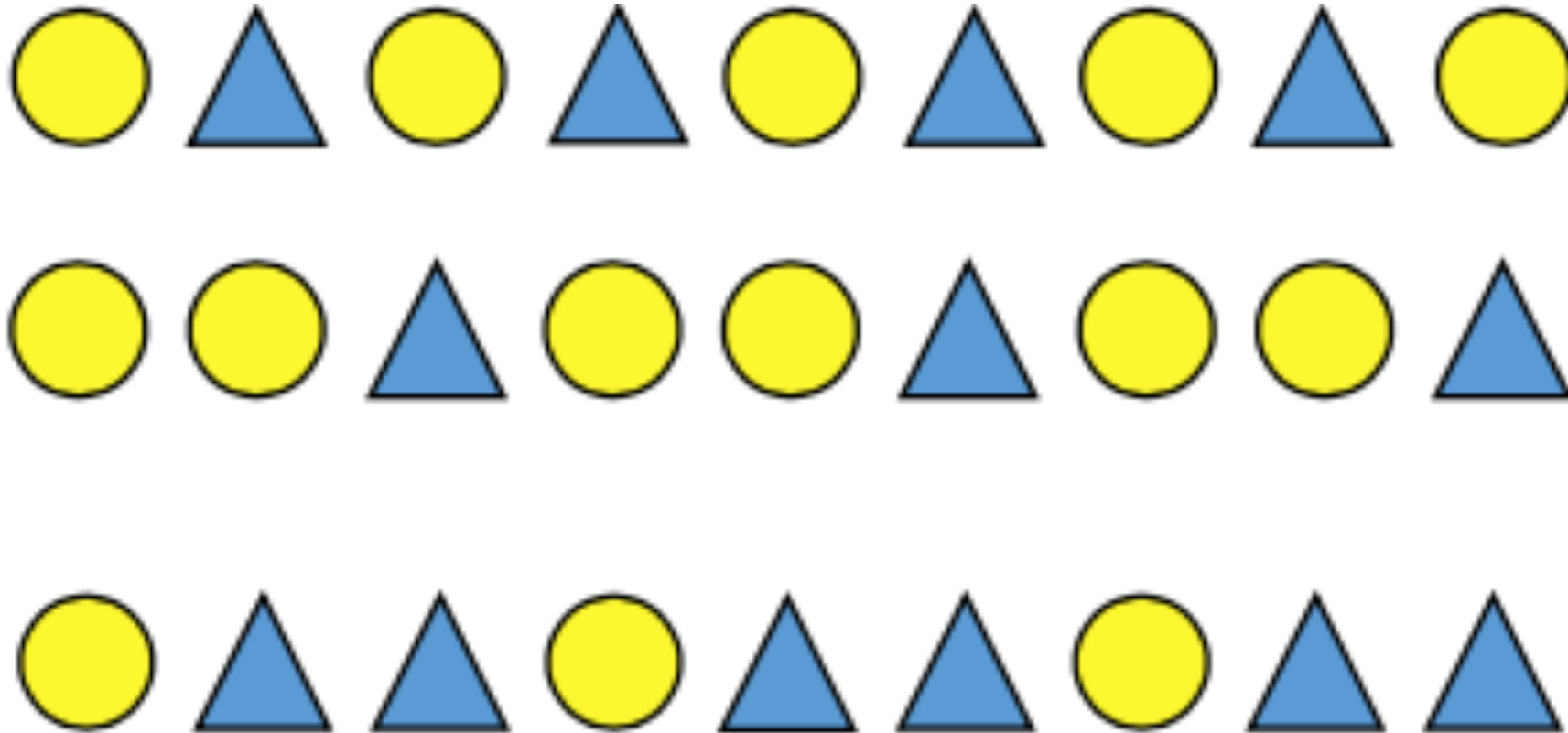
* Play Shape Patterns (try Levels 2 & 3)

Watch Youtube video from Musical Math: AAB Pattern Song



Shape Patterns

Taken from Whiterose Maths

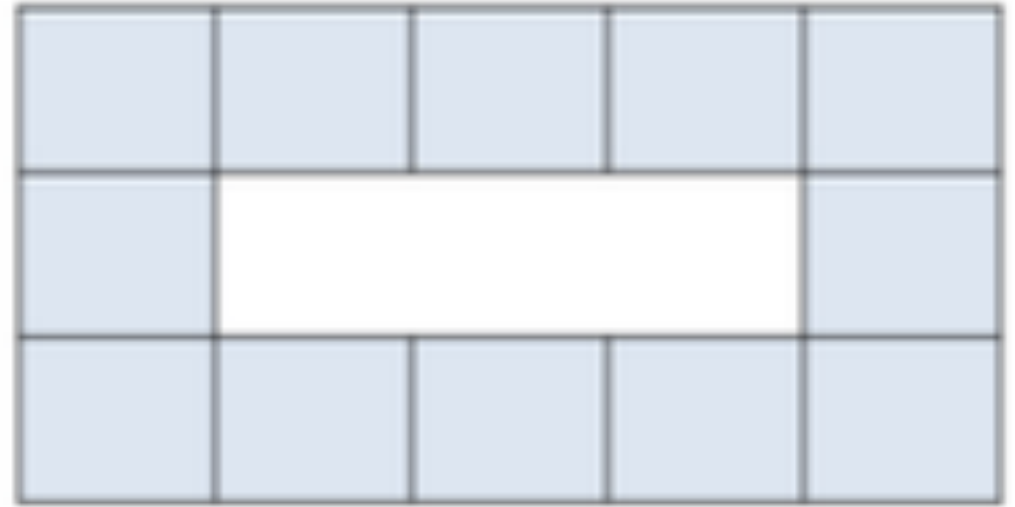
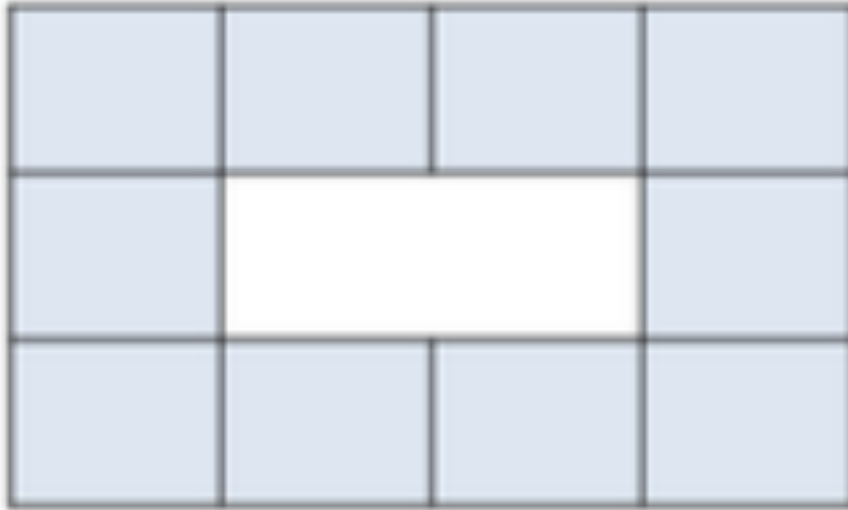


- 1) Ask your child to say the 1st pattern (*yellow circle, blue triangle...*)
- 2) Ask your child to say the 2nd pattern (*yellow circle, yellow circle, blue triangle...*)
- 3) Ask - what is the same? (*both have 1 blue triangle*)
- 4) Ask - what is different? (*1st pattern has 1 yellow circle but 2nd pattern has 2 yellow circles*)
- 5) Ask your child to say the 3rd pattern (*yellow circle, blue triangle, blue triangle...*)
- 6) Ask - what is different in this pattern compared to the other patterns? (*2 blue triangles instead of 2 yellow circles*)
- 7) What other patterns could you make using these shapes?

Which Patterns Fit?

Draw or print out these two frames:

Have three different types of loose objects: stones/buttons/counters/coloured squares cut from paper or card.



- 1) Start with an AB pattern (*red square, yellow square, red square, yellow square...*) and ask your child to place these objects around both frames - do they fit exactly to complete the AB pattern?
- 2) Try an ABC pattern (*red square, yellow square, green square...*) and ask your child to place these objects around both frames - do they fit exactly to complete the ABC pattern?
- 3) Try an ABB pattern (*red square, yellow square, yellow square...*) and ask your child to place these objects around both frames - do they fit exactly to complete the ABB pattern?
- 4) Try an AAB pattern (*red square, red square, yellow square...*) and ask your child to place these objects around both frames - do they fit exactly to complete the AAB pattern?
- 5) Repeat with AABB and AABBC then try your own pattern sequences.