

# Maths - Year 1

## Geometry 2: Making pictures, shapes and patterns

### Key Vocabulary

Shape names	Square, oblong, triangle, circle.
Comparative language	Small, smaller than, smallest, big, bigger than, biggest, long, longer, short, shorter.
Straight	To move in one direction only or a line that is level.
Flat	A level surface with no bumps.
Curved	A line or side with a bend.
Round	Shaped like a circle.
Sides	Lines that join together to make a shape.
Corners	Where two lines of a shape.
Rectangle	A shape with four straight sides and 4 right angles.
Positional language	Next to, on top of, under, above, between, left, right, top, middle, bottom.
Slide	Move smoothly along a surface.
Turn	Move in a circular direction.
Flip	Turn over
Repeat	Do something again and again.
Tiling	A way of arranging shapes so that they completely cover an area without overlapping or gaps.

### Mathematical Skills

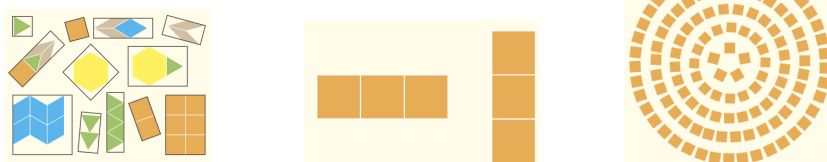
- Recognise and name oblongs, squares, triangles and circles.
- Turn, move and position apparatus accurately to make a shape, picture or pattern.
- Identify shapes regardless of orientation.
- Use knowledge of shape parts and properties to explain why it is possible to make certain shapes or patterns with some pattern blocks but not others.
- Find all possible ways of making certain regular shapes using pattern blocks.
- Copy, continue, reorganise and create patterns.
- Predict which shape is next in a given sequence.
- Approach a problem systematically.

### Mathematical Methods

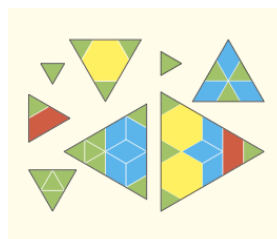
- Making pictures and patterns with apparatus.



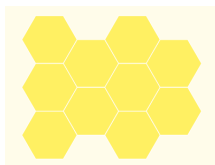
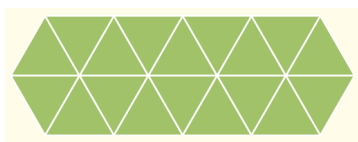
- Making squares and oblongs with pattern blocks.



- Making equilateral triangles with pattern blocks.



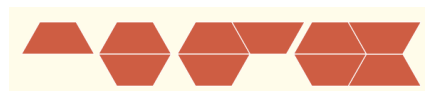
- Making tiling patterns with one type of pattern block.



- Repeating patterns with more than one pattern block.



- Making growing sequences with pattern blocks.



### Can you..?

- Choose three types of shapes. Can you make a pattern that fits together without any gaps?

- Continue this pattern.



- Continue this pattern.

