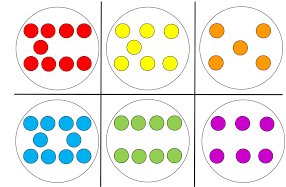


Key Vocabulary

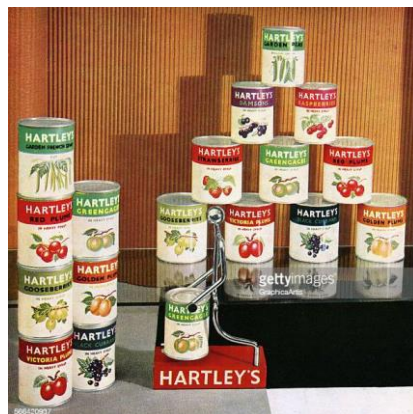
Repeating patterns = Repeating patterns are mostly used in a linear form but they can be moved to be border patterns.



Spatial patterns = Spatial patterns are patterns that are evenly spaced using objects of which some are the same.



Growing patterns = Patterns that are seen in a staircase or a pyramid. They can be started with small shapes and begin to get larger.



Subitising = Subitising is when children can look at an arrangement of objects and instantly know how many there are. This skill is easy with objects that are arranged in regular ways such as spatial patterns.



Challenge thinking

- Children that find AB patterns easy, may find using different object so the same colour harder to use. (Red, blue pom poms and red, blue bears.)
- Extend by adding new colours, the children can ‘edit’ their patterns.
- Ask children to identify the pattern they have created verbally instead physically repeating the patterns.
- Creating their own patterns with a variety of resources and generalising by using any items you have at home.
- Spotting errors in patterns and correcting the mistake.

Useful websites

<https://www.topmarks.co.uk/> - search for ‘Finish the pattern’. Also useful for other interaction Mathematical games.

[Free Patterns Games for 4 - 5 Year Olds | Smart Boarding School](#) – useful for repeating patterns.

[Pattern Games \(edc.org\) \(https://youngmathematicians.edc.org/math-game/pattern-games/\)](https://youngmathematicians.edc.org/math-game/pattern-games/) - this website will give you different pattern games you can do at home. Some games have resources that you can print but you could use any objects available at home to do patterns such as socks, Lego, cars, pasta and cutlery. Each game has a video that you can watch for ideas on how to complete the task.