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| **Identifying and Extending Repeating Patterns** |
| Identifies repeating pattern (one of the changing attributes)“Shape is changing. The pattern is: star, triangle, triangle.” | Identifies repeating pattern (two changing attributes)“Colour and shape are changing.” | Identifies core of a repeating pattern“The core is: blue star, blue triangle, red triangle.” | Uses core to extend the repeating pattern“I drew the core on a piece of paper and moved it along the pattern to help me extend it.” |
| **Observations/Documentation** |
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| Creates patterns with two attributes “I copied the core two more times.” | Represents the same pattern in many ways (e.g., letters, numbers, sounds) “I represented the pattern core with letters: ABBC.” | Translates the same pattern into many forms (e.g., numbers, movements, table of values)“I translated the pattern into numbers: 122312231223.” | Creates and translates a pattern with a repeating operation (e.g., addition, subtraction)“I created a pattern, adding 2 tiles each time. I translated the pattern into a table of values.” |
| **Observations/Documentation** |
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| **Creating Repeating Patterns** |
| Builds core with one attribute (e.g., always colour)“red, blue, blue, yellow” | Builds core with one attribute (shape, size, colour)“I changed shape.” | Creates patterns with one attribute in many ways (shape, size, colour)“I copied the core two more times.” | Builds core with two attributes “I changed shape and colour.” |
| **Observations/Documentation** |
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