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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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