**Patterns and Sequences Questions**

For each of the patterns:

1. Create image 4 and 5 with the sticks
2. Work out how many sticks will be needed for the next 3 images
3. Write down how you calculated question (2)

Pattern 1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Image** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| **Sticks** |  |  |  |  |  |  |  |  |

Pattern 2

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Image** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| **Sticks** |  |  |  |  |  |  |  |  |

Pattern 3

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Image** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| **Sticks** |  |  |  |  |  |  |  |  |

**Patterns and Sequences Questions**

For each of the patterns:

1. Create image 4 and 5 with the sticks
2. Work out how many sticks will be needed for the next 3 images
3. Write down how you calculated question (2)

Pattern 1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Image** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| **Sticks** |  |  |  |  |  |  |  |  |

Pattern 2

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Image** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| **Sticks** |  |  |  |  |  |  |  |  |

Pattern 3

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Image** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| **Sticks** |  |  |  |  |  |  |  |  |