Patterns and Formulae Solutions



Formula:

**C = 5s + 1**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sections (s) | 1 | 2 | 3 | 4 | 5 |  | 12 |
| Coloured lights (c) | 6 | 11 | 16 | 21 | 26 |  | 61 |



C = 5s + 1

116 = 5s + 1

115 = 5s

S = 23

There will be 23 sections in the lighting effect.

Sections (s)

Colou

|  |
| --- |
| Sections (s) |

red lights (c)

Formula:

**L = 2D + 1**

L = 2D + 1

77 = 2D + 1

76 = 2D

D = 38

There will be 38 dots in the pattern.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Dots (D) | 1 | 2 | 3 | 4 | 5 |  | 14 |
| Lines (L) | 3 | 5 | 7 | 9 | 11 |  | 29 |

