**Squares Worksheet**

|  |  |
| --- | --- |
| *n* | *A*(*n*) |
| 1 | 1 |
| 2 | 4 |
| 3 | 9 |
| 4 | 16 |
| 5 | 25 |
| 6 | 36 |
| 7 | 49 |
| 8 | 64 |

|  |  |  |  |
| --- | --- | --- | --- |
| *N* | *A*(*n*) | 1st difference | 2nd difference |
| 1 | 1 | *x* | *x* |
| 2 | 4 | 3 | *x* |
| 3 | 9 | 5 | 2 |
| 4 | 16 | 7 | 2 |
| 5 | 25 |  |  |
| 6 | 36 |  |  |
| 7 | 49 |  |  |
| 8 | 64 |  |  |

**Answer KEY**

|  |  |
| --- | --- |
| *n* | *A*(*n*) |
| 1 | 1 |
| 2 | 4 |
| 3 | 9 |
| 4 | 16 |
| 5 | 25 |
| 6 | 36 |
| 7 | 49 |
| 8 | 64 |

|  |  |  |  |
| --- | --- | --- | --- |
| *N* | *A*(*n*) | 1st difference | 2nd difference |
| 1 | 1 | *x* | *x* |
| 2 | 4 | 3 | *x* |
| 3 | 9 | 5 | 2 |
| 4 | 16 | 7 | 2 |
| 5 | 25 | 9 | 2 |
| 6 | 36 | 11 | 2 |
| 7 | 49 | 13 | 2 |
| 8 | 64 | 15 | 2 |