|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |
| No odd numbers are interesting. |  |  |  |  |  |
| *(Technique for decomposing odd numbers)* |  |  |  |  |  |
| *(Technique for decomposing even numbers)* |  |  |  |  |  |
|  |  |  |  |  |  |
| The sum of two consecutive positive integers is odd. |  |  |  |  |  |
| No odd numbers are interesting. |  |  |  |  |  |
| The sum of three consecutive positive integers is a multiple of 3. |  |  |  |  |  |
| If $n$ is odd, the sum of $n$ consecutive positive integers is a multiple of $n$. |  |  |  |  |  |
| If $n$ is even, the sum of $n$ consecutive positive integers is $n/2 $more than a multiple of $n$. |  |  |  |  |  |
|  |  |  |  |  |  |
| All powers of 2 are interesting. |  |  |  |  |  |
| Only powers of 2 are interesting. |  |  |  |  |  |
| The powers of 2 are exactly the whole numbers without odd factors. |  |  |  |  |  |