* Prime Factorization is when you break a number down into its prime factors.
* The first nine **Primes** are:

2, 3, 5, 7, 11, 13, 17, 19, and 23

* The prime factorization of 48 is:

2 • 2 • 2 • 2 • 3 or 24 • 3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 |
| 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 |
| 46 | 47 | 48 | 49 | 50 |

|  |
| --- |
| 48 |
| Can be broken into… |
| 6 • 8 |
| Six and eight break into… |
| 2 • 3 2 • 2 • 2 |