Prime Factorization (5-1)

| prime number | Decode <br> prime <br> number |
| :--- | :--- |
| Definition <br> its only factors <br> are 1 and <br> itself | Example |


| composite <br> number | Decode <br> com.po•site <br> number |
| :--- | :--- |
| Definition <br> has many <br> (or multiple <br> factors | 135515 |

Example 3: Prime or composite?


Example 2: Determine if each number is divisible by $2,3,5,6,9,10$.

| I Do | We Do | You Do |
| :---: | :---: | :---: |
| $4+3+2=9$ | 783 | 625 |
| ${ }^{432}$ | $7+8+3=18$ | $6+2+5=13$ |
| $2,3,6,9$ | 3,9 | 5 |

Example 1: List the factors of each number.


Example 4: Write the prime factorization of each number.

| I Do | We Do | You Do |
| :---: | :---: | :---: |
|  |  |  |

IXL Lessons: $6^{\text {th }}$ Grade $\rightarrow$ C.1, E.3, E. 5

